ANTELOPE VALLEY
AIR QUALITY MANAGEMENT DISTRICT

New Source Review Permit Evaluation Document

For

B015041-42, B015141 and B015127-28 – Laser Ablation Units, various locations

S015140 – Spray Booth, B/601

E015120 – Emergency ICE, B/601

E015165 – Emergency ICE B/610

E015142 – Emergency I151CE, B/612

B015155 – Oven, B/637A

Preliminary Determination - Statement of Basis

For the Renewal of

FOP Number: 97001754

For

Lockheed Martin Aeronautics Company

Facility

Lockheed Martin Aeronautics Company Palmdale

Facility Address:

1011 Lockheed Way
Palmdale CA 93599

Document Date: 06/04/2026

Submittal date to EPA/CARB for review: 06/04/2026

EPA/CARB 45-day Commenting Period ends: 07/20/2026

Public Notice Posted: 06/04/2026

30-Day Public Commenting Period ends: 07/06/2026

Permit Issue date: On or after 07/21/2026

Permitting Engineer:

Taylor Morais

2551 WEST AVENUE H, LANCASTER, CA 93536
PHONE: (661)723-8070 • EMAIL: *ENGINEERING@AVAQMD.CA.GOV*

A. FACILITY IDENTIFYING INFORMATION:

Owner/Company Name:	Lockheed Martin Aeronautics Company
Owner Mailing Address:	Lockheed Martin Aeronautics Company 1011 Lockheed Way Palmdale, CA 93599
Facility Name:	Plant 10 and Air Force Plant 42 Site 2
Facility Location:	1011 Lockheed Way, Palmdale CA
Mailing Address:	Lockheed Martin Aeronautics Company 1011 Lockheed Way Palmdale, CA 93599
AVAQMD Federal Operating Permit Number:	97001754
AVAQMD Company Number:	970
AVAQMD Facility Number:	01754
Responsible Official: Title:	Orlando Sanchez Jr ADP Vice President, Production Operations
Phone Number:	(661) 405-8790
Facility Contacts: Phone Number:	Vicente Martinez (661) 572-0681
Nature of Business:	Aircraft Assembly, Maintenance and Modification
SIC Code:	3720 – Aircraft and Parts
Facility Location:	UTM (Km): 398.0E/3830.9N

B. APPLICATION AND SETTING

The Antelope Valley Air Quality Management District (AVAQMD or District) received an Application for Federal Operating Permit Renewal in October of 2025. The application was accepted as complete by the District.

The Lockheed Martin facility location has been designated non-attainment for the Federal 8-hour ozone ambient air quality standard (NAAQS). The area is attainment or unclassified for all other federal standards and averaging times.

The Antelope Valley Air Quality Management District (AVAQMD or District) also received applications for the construction of the following at the Lockheed Martin Palmdale Facility (Lockheed Martin or Facility);

1. Multiple laser ablation units
2. Spray Booth in B/601
3. Emergency ICE, B/601
4. Emergency ICE, B/610
5. Emergency ICE, B/612
6. New Core Coating Oven, B/637A
7. Replacement of Core Coating Oven 3, B/637A (previously permitted as part of B008132/B008133)

In addition, at AVAQMD's request Lockheed Martin also submitted the following applications for existing equipment previously permitted as part of other permit units:

From Permit No. C010991:

- Paint Booth F-35 Robot Booth, LM # 10151297, Local ID 36PB08
- Paint Booth, LM # B0757848, Local ID 36PB01
- Paint Booth, LM # B0757849 Local ID 36PB02
- Paint Booth SL10, LM # 45410 Local ID 36PB06

From Permit No. C014585:

- Spray booth, No. PA02A, LM# D0005238
- Spray booth, No. PA02B, LM# D0005238
- Spray booth, No. PA02C, LM# D0005238

From Core Coating Lines B008132, B008133:

- Oven 5, LM# 10148960, Local ID 7AOV05

From Foam Coating Line B014584:

- Oven #2, LM# 00085274, Local ID 44OV02
- Oven #3, LM# 1014489, Local ID 44OV03
- Oven #4, LM# 10153991, Local ID 44OV04
- Oven #5, LM# 10153992, Local ID 44OV05

These applications for construction were accompanied by applications for Minor Modifications to Lockheed Martin FOP.

A copy of this application material can be viewed in Appendix C. The District determined the application materials to be complete.

C. NEW SOURCE REVIEW PERMIT EVALUATION

Rule 1314 - Federal Nonattainment New Source Review for Ozone Precursors

This Rule defines the requirements and procedures for satisfying Federal New Source Review (NSR) requirements for Federal Major Stationary Sources emitting Ozone Precursors. It applies to all new or Modified Facilities that propose a Project that will result in a Federal Major Modification.

A Federal Major Modification is defined as physical or operational change at an existing Federal Major Stationary Source for NOx or VOC, which results, or may result, in a Significant Emissions Increase and a Significant Net Emissions Increase, or in a Non-De minimis Emissions Increase

Significance Test - VOC

Rule 1314 (E)(1) contains the calculation procedures to determine if a federally significant project triggering the BACT and offset provisions of this rule apply.

The project includes both new and replacement equipment so section (vi) Hybrid Test for Projects that Involve Multiple Types of Emission Unit(s) applies. In this case a Significant emissions increase of a Nonattainment Air Pollutant is projected to occur if the sum of the emissions increases for each Emission Unit(s), using the actual to project actual test for the replacement engine and the actual to potential test for the new oven results in a emissions in excess of 25 tons per year and/or if there is a non-de minimis increase in VOC emissions.

Actual emissions are equal to the average rate, in tons per year, at which the unit actually emitted the pollutant during a consecutive 24-month period which precedes the particular date and which is representative of normal source operation. The APCO has the discretion to allow the use of a different period upon a determination that it is more representative of normal source operation. Baseline years are as indicated in the tables below.

Projected actual emissions are defined as the maximum annual rate, in tons per year, at which an

Existing Emission Unit(s) is projected to emit a Regulated Air Pollutant in any one of the 5 years (12-month period) following the date the unit resumes regular operation after the Project, (or in any one of the 10 years following that date, if the project involves increasing the Emission Unit(s) design capacity or its Potential to Emit of that Regulated Air Pollutant and full utilization of the unit would result in a Significant Emissions Increase or a Significant Net Emissions Increase at the Federal Major Stationary Source.)

The permit action, and with it the test that applies, are indicated in the tables below. The replacement of one and addition of another oven to the core coating line is determined to be a modification of the previously permitted coating lines (B008122/B008123). In this case the actual-to-projected-actual applicability test applies and an emissions increase of VOC is projected to occur if the sum of the difference between the Projected Actual Emissions and the Baseline Actual Emissions is positive.

Because the line vents to a control device C014585 (historically C006118) and all sources that vent to that control device share an emission limit, Baseline Actual emissions are historical emissions from the control device and the Projected Actual is equal to the permitted PTE for that control device. The other sources that are part of this project result in insignificant emission increases of VOC. The emission increase for the project totals approximately 2 tons and is not a significant net emission increase for VOC.

Significance Test – NOx

The addition of two emergency generators results in an emission increase significantly less than one ton per year. The new oven is electrically heated and does not contribute to NOx emissions. The project is not a federally significant modification for NOx.

Non-De Minimis Test - VOC

Pursuant to Rule 1314(C)(8) if the project results in a non-de minimis emissions increase it is a significant modification triggering Federal NSR. A non-de minimis emissions increase is as an emissions increase from the proposed Project aggregated with all other Net Emissions Increases from the Facility that occurred during the last 5 consecutive calendar years, including the calendar year in which such increase occurred, equal to or greater than 25 tpy of NOx or VOC.

A new emission unit is any emission unit which is (or will be) newly constructed and which has existed for less than 2 years from the date such Emission Unit(s) first operated. This equipment requires the use of PTE when assessing emission increases.

An existing emission unit is any emission unit that does not meet the definition of a new emission unit. A replacement unit is an existing emission unit.

Again, the Hybrid Test for Projects that Involve Multiple Types of Emission Units applies. A non-de minimis emissions increase of a Nonattainment Air Pollutant is projected to occur if the sum of the emissions increases for each Emission Units, using the method actual to projected actual test for existing equipment and the actual to potential test for new equipment, as applicable, equals or exceeds 25 tpy for that Ozone Precursor.

The de minimis calculation for VOC is included in Table 1. That table demonstrates that the project, combined with all other projects completed in the last 5 years, do not exceed 25 tons per year.

Table 1. VOC De Minimis Calculation

Permit No.	Source Type	Original Permit Action	Date Application Complete	Existing/Operating for 2 years	NOx Emissions Proj Act/PTE	Baseline Years	Baseline Actual Emissions			Net Emission Increase (lb/yr)
							Yr 1	Yr 2	2-year avg	
S013999	Paint Booth	New Construction	4/12/2021	No	9125					9125.00
B013914	Boiler	New Construction	4/12/2021	Yes	1724					1724.00
S014587 (S008708)	Paint Booth	Replacement	9/27/2022	Yes	1500	2021/2022	271.05	270.53	270.79	1229.21
S014582 (S006380)	Paint Hangar	Modification	9/27/2022	Yes	1500	2021/2022	212.74	332.94	272.84	1227.16
B014584 (B013025)	Flow Coater	Modification	9/27/2022	Yes	9125	2021/2022	5323.25	2122.02	3722.64	5402.36
B014586	Oven	New Construction	9/27/2022	Yes	291.81					291.81
B014588	Oven	New Construction	9/27/2022	No	194.54					194.54
E015120	ICE	New Construction	1/25/2025	No	2.13					2.13
S015140	Paint Booth	New Construction	8/28/2025	No	0					0.00
E015142	ICE	New Construction	10/2/2025	No	1.61					1.61
C015485 (C006118)	Control Device	Modification/Replacement	12/17/2025	No	7200	2024/2025	3040.62	3185.9798	3113.30	4086.70
E015165	ICE	Replacement	2/5/2026	Yes	29.48	2022/2023	22.68	27.62	25.15	4.33
Total (lbs)										**23288.85**
Total (tons)										**11.64**

Non-De Minimis Test - NOx

As demonstrated in Table 2 the project, aggregated with other NOx emitting project completed in the previous 5 years, does not result in an increase above the 25 ton de minimis threshold.

Table 2. NOx De Minimis Calculation

Location	Permit No.	Source Type	Original Permit Action	Date Application Complete	Existing/Operating for 2 years	NOx Emissions Proj Act/PTE	Baseline Years	Baseline Actual Emissions			Net Emission Change (lb/yr)
								Yr 1	Yr 2	2-year avg	
B/603	B013914	Boiler	New Construction	4/12/2021	Yes	3197					3197
B/645	B014586	Oven	New Construction	9/27/2022	Yes	1362					1362
B/645	B014588	Oven	New Construction	9/27/2022	No	2044					2044
B/601	E015120	ICE	New Construction	1/25/2025	No	34.23					34.23
B/612	E015142	ICE	New Construction	10/2/2025	No	47.74					47.74
B/610	E015165	ICE	Replacement	2/5/2026	Yes	29.48	2022/2023	22.68	27.62	25.15	4.33
Total (lbs)											**6689.3**
Total (tons)											**3.34**

The de minimis test is met. Rule 1314 does not apply to this permit activity.

AVAQMD Regulation 1303-1305 – State New Source Review Requirements

Pursuant to District Rule 1301 – *New Source Review Definitions*, Lockheed Martin Palmdale is

an existing Major Facility for NOx and VOC. Lockheed previously accepted a facility-wide PM10 emission limit less than the NSR Major Facility threshold and so is a synthetic minor source for PM10. The AVAQMD has been designated non-attainment for the Federal 8-hour ozone ambient air quality standard (NAAQS) and non-attainment for the California ozone and PM10 standards (CAAQS). The area is attainment or unclassified for all other standards and averaging times, therefore, pursuant to District Rule 1303 – *New Source Review Requirements*, the proposed equipment is subject to both BACT and Offset requirements for the Nonattainment Air Pollutant/Precursors of NOx and VOC. The applicant proposes to offset any increase in the Facility's Potential Emissions using NOx emission reduction credits to offset NOx at a ratio of 1.3:1, and proposes to continue to operate under a previously offset facility-wide VOC emission limitation.

NOx ERCs are calculated as follows:

B/601 ICE

Pollutant	Net Emission Increase lbs	Offset Ratio	Offsets Required lb/yr
NOx	34.23	1.3	44.49

B/610 Replacement IC Engine – E015165

Pollutant	Baseline Actual Emissions Avg lbs 2022/2023	PTE lbs	Net Emission Increase lbs	Offset Ratio	Offsets Required lbs
NOx	25.15	29.48	4.33	1.3:1	5.63

B/612 IC Engine

Pollutant	Net Emission Increase lbs	Offset Ratio	Offsets Required lb/yr
NOx	47.74	1.3	62.06

A total of 112 pounds of NOx ERCs are required for this permitting activity. ERC Certificate AV0030 will be surrendered prior to issuance of Authorities to Construct.

In addition, Lockheed Martin Palmdale is defined as a federal Major Facility (based on NOx and VOC PTE) pursuant to District Rule 3001 – Federal Operating Permit Definitions. The proposed

modifications are classified as Minor Modifications to Lockheed Martin Palmdale Federal Operating Permit (FOP).

Pursuant to District Rule 3005 – Modifications of Federal Operating Permits, section (B)(2), District Rule 3003 – Federal Operating Permits, and District Rule 1302(D)(1)(d), this document serves as the Preliminary Determination/Decision and Statement of Legal and Factual Basis

D. TITLE V BACKGROUND

The Federal Clean Air Act Amendments of 1990 established a nation-wide permit to operate program commonly known as "Title V." The AVAQMD adopted Regulation XXX [Rules 3000 - 3011] and Rule 3003 - Federal Operating Permit (FOP) Requirement to implement the FOP program locally and have received Final Program Approval from EPA on Final January 16, 2004 (69 FR 2511).

Title V Applicability Determination:
Lockheed Martin Aeronautics Company Palmdale (Lockheed Martin Palmdale) is subject to the Operating Permit requirements of Title V of the Federal Clean Air Act, Part 70 of Title 40 of the Code of Federal Regulations (CFR), and AVAQMD Regulation XXX, FOPs. Lockheed Martin Palmdale is defined as a Federal Major Facility pursuant to District Rule 3001 – FOP Definition, as this facility has a Potential to Emit (PTE) ozone precursors- oxides of nitrogen (NOx) and volatile organic compounds (VOC)- greater than the "Major Facility" thresholds for a facility located within the District where it is designated as Federal Ozone Non-Attainment.

Hazardous Air Pollutant (HAP) Source Category Determination:
This facility is classified as an area source of HAP emissions pursuant to a synthetic minor permit condition. Lockheed Martin Palmdale submitted a notification to the Antelope Valley Air Quality Management District (AVAQMD) and the U.S. Environmental Protection Agency (EPA) on August 29, 1997.

Pursuant to Regulation XXX, FOPs, the District has reviewed the terms and conditions of this FOP and determined that they are still valid and correct. This review included an analysis of federal, state, and local applicability determinations for all sources, including those that have been modified or permitted since the issuance of the initial FOP. The review also included an assessment of all monitoring in the permit for sufficiency to determine compliance. This Statement of Legal and Factual Basis, pursuant to Rule 3003(B)(1)(a)(i), is intended to assess the adequacy of the existing Title V Permit and explain the District's basis in composing the proposed renewal.

In the AVAQMD, State and District requirements are also applicable requirements and are included in the permit. These requirements can be federally enforceable or non-federally enforceable. State and District only applicable requirements are designated as such.

E. FACILITY DESCRIPTION

The Lockheed Martin Aeronautics Company is located at 1011 Lockheed Way Palmdale, CA 93599. The facility is designed to assemble, maintain, and modify military aircraft. Facilities include the following; Abrasive Blasting and Control Equipment, Ink Mixing Equipment, Foam Coating Equipment, Paint Spray Booths, Flow Coaters, Ovens, Portable Air Pollution Control Equipment (PAPCE), a Non-Regenerative Carbon Adsorption Emission Control System, a Thermal Oxidizer (TOS) Emission Control System, Internal Combustion Engines (ICEs), Boilers, SCR Systems for Boiler #3 and #4 in Building 603, Fuel Dispensing Facilities, a Still for Recycling Paint Thinner, Storage Tanks, a Jet Engine Test Stand, a Silk Screen Printing Press, a Shredder and Control Equipment, a Process Line and Laser Ablation Units.

F. PROPOSED CHANGES TO TITLE V PERMIT/FOP – RENEWAL

The proposed changes to the FOP are indicated in the red-line version of the draft. The legal and factual basis for the FOP follows. The permit parts (Parts I through VI) are described below in the order presented in the permit. A reference to the origin and authority of each term and condition is contained in the FOP; the origin is listed after the applicable term or condition while the authority is listed in table format in Section VI E. of the FOP. A permit revision page is included in the FOP to provide a resource to the permit user about historical revisions for the current term of the permit.

PART I: INTRODUCTORY INFORMATION

This section of the FOP contains general information about Lockheed Martin Palmdale's facility, including facility identifying information (section A), a description of the facility (section B), and a description of the facility's equipment (section C).

Changes made to this section of the FOP:

Section A

- Facility "Site" Contacts changed.

Section B

- Added a new process to the Facility description.

Section C

- The following equipment was removed from the facility:
    - A007054 – Abrasive Blasting Room (Plant 10, Bldg 610)
    - C007055 – Baghouse/Dust Collector for A007054 (Plant 10, Bldg 610)
    - A007056 – Abrasive Blasting Cabinet (Plant 10, Bldg 610)

- C007651 – Baghouse/Dust Collector for A007056 (Plant 10, Bldg 610)
- C006422 – Baghouse/Dust Collector (Site 2, Bldg 211)
- B010110 – Curing Oven (Plant 10, Bldg 601)
- C006118 – UVOX Control Device (Plant 10, Bldg 637A)
- S006439 – Paint Spray Booth (Plant 10, Bldg 645)
- S009629 – Paint Spray Booth (Plant 10, Bldg 609)
- E006510 – Diesel Emergency IC Engine driving firewater pump #154 (Plant 10 Bldg 615)

- The following equipment was added to the facility:
  - C007375 – Relocated back to Plant 10 from Helendale facility (MDAQMD), missed the addition in the last renewal.
  - B015041 – Laser Ablation (Plant 10, Bldg 636)
  - B015042 – Laser Ablation (Plant 10, Bldg 637)
  - B015141 – Laser Ablation (Plant 10, Bldg 646)
  - B015127 – Laser Ablation (Plant 10, Bldg 648)
  - B015128 – Laser Ablation (Plant 10, Bldg 648)
  - S015140 – Spray Booth, B/601 Area K
  - E015120 – Emergency ICE, B/601 Area K
  - E015142 – Emergency ICE, B/612
  - B015155 – Core Coating Oven, B/637A
  - B015156 – Core Coating Oven, B/637A
  - B015157 – Core Coating Oven, B/637A
  - S015158 – Spray Booth (Plant 10, Bldg 636)
  - S015159 – Spray Booth (Plant 10, Bldg 636)
  - S015160 – Spray Booth (Plant 10, Bldg 636)
  - S015161 – Spray Booth (Plant 10, Bldg 636)
  - S015162 – Spray Booth (Plant 10, Bldg 637A)
  - S015163 – Spray Booth (Plant 10, Bldg 637A)
  - S015164 – Spray Booth (Plant 10, Bldg 637A)
  - B015171 – Foam Coating Oven, Bldg 644
  - B015172 – Foam Coating Oven, Bldg 644
  - B015173 – Foam Coating Oven, Bldg 644
  - B015174 – Foam Coating Oven, Bldg 644

PART II: FACILITYWIDE APPLICABLE REQUIREMENTS; EMISSIONS LIMITATIONS; MONITORING, RECORDKEEPING, REPORTING AND TESTING REQUIREMENTS; COMPLIANCE CONDITIONS; COMPLIANCE PLANS

This section of the FOP contains requirements applicable to the entire facility and equipment (section A), facility-wide monitoring, recordkeeping, and reporting requirements (section B), and facility-wide compliance conditions (section C).

Changes made to this section of the FOP:

- Part II, Condition A.33 was updated to reflect the system as Carbon Adsorption rather than Ultraviolet Oxidation.

PART III: EQUIPMENT SPECIFIC APPLICABLE REQUIREMENTS; EMISSIONS LIMITATIONS; MONITORING, RECORDKEEPING, REPORTING AND TESTING REQUIREMENTS; COMPLIANCE CONDITIONS; COMPLIANCE PLANS

This section of the Federal Operating Permit contains equipment-specific applicable requirements including emission limitations, monitoring and recordkeeping, reporting and testing, and compliance plans.

<u>CONDITION B: CONDITIONS APPLICABLE TO ABRASIVE BLASTING CABINET AND BAGHOUSE AVAQMD PERMIT #A006416:</u>

- Removed the cancelled permit number (A007054 & C007055).
- Removed condition 3 which was specific to the cancelled permit.

<u>CONDITION C: CONDITIONS APPLICABLE TO ABRASIVE BLASTING CABINET; AVAQMD PERMIT #A006389 AND BAGHOUSE, AVAQMD PERMIT #C006388; ABRASIVE BLASTING CABINET AVAQMD PERMIT #A006408 AND BAGHOUSE, AVAQMD PERMIT #C006400:</u>

- Removed the cancelled permit number (A007056, C007651 & C006422).

<u>CONDITION E: CONDITIONS APPLICABLE TO FOUR (4) EMERGENCY FIRE PUMP INTERNAL COMBUSTION ENGINES, AVAQMD PERMIT #E006420, #E006499, #E006511, # AND ELEVEN (11) EMERGENCY INTERNAL COMBUSTION ENGINES, AVAQMD PERMIT #E006124; #E006370; #E006371, #E006427, #E006453, #E006454, #E006470, #E006496, #E006498, #E006811, #E007092:</u>

- Removed the cancelled permit number (E006510).

- Updated condition 4 to reference the right condition number for the hour limit.

CONDITION I: CONDITIONS APPLICABLE TO BOILER, AVAQMD PERMIT # B006436 AND AIR POLLUTION CONTROL SYTEM C006459:

- Updated condition 3 to include other times when temperature is less than 425 F

CONDITION J: CONDITIONS APPLICABLE TO BOILER 4, AVAQMD PERMIT # B013914 AND AIR POLLUTION CONTROL SYTEM C013915:

- Condition 2 was spell checked.

CONDITION K: CONDITIONS APPLICABLE TO BOILER, AVAQMD PERMIT B012658 and B012851, B013213 and B013214:

- Added condition 2 to reflect the non resettable meter requirement.

CONDITION L: CONDITIONS APPLICABLE TO FOUR (4) SPRAY BOOTHS, AVAQMD PERMIT , # S006441, # S006442, # S006443, # S006451:

- Removed the cancelled permit number (S006439).

CONDITION P: CONDITIONS APPLICABLE TO SPRAY BOOTH, AVAQMD PERMIT # S006493:

- Updated condition 1 to reflect the approved monthly limit.

CONDITION T: CONDITIONS APPLICABLE TO SPRAY BOOTH, AVAQMD PERMIT # S008564:

- Updated condition 1 to reflect the approved monthly limit.

CONDITION V: OPEN OR RESERVED LETTER

- Removed the cancelled permit number (S009629) along with all the requirements.
- Added spray booth permit #S015140 with all the requirements from the individual permit.

CONDITION W: CONDITIONS APPLICABLE TO SPRAY BOOTH, AVAQMD PERMIT # S010188:

- Updated condition 1 to reflect the approved monthly limit.
- Updated condition 6 to reflect the new carbon filter adsorption limit.

CONDITION X: CONDITIONS APPLICABLE TO TWO ORGANIC COATING AND DRYING LINES, AVAQMD PERMIT # B008132, # B008133

- Removed reference to the cancelled permit number (C006118).

CONDITION Z: CONDITIONS APPLICABLE TO ONE (1) FLOW COATER, AVAQMD PERMIT # B006456:

- Removed reference to the cancelled permit number (C006118).

CONDITION AB: OPEN OR RESERVED LETTER

- Removed the cancelled permit number (B010110) along with all the requirements.

CONDITION AE: OPEN OR RESERVED LETTER

- Removed the cancelled permit number (C006118) along with all the requirements.

CONDITION AF: CONDITIONS APPLICABLE TO FIVE (5) PORTABLE AIR POLLUTION CONTROL EQUIPMENT, AVAQMD PERMIT #C007747, #C007375, #C008733, #C011697, #C011698:

- Added the new transfer permit number (C007375).

CONDITION AG: CONDITIONS APPLICABLE TO ONE OVEN, AVAQMD PERMIT # B006116:

- Removed reference to the cancelled permit number (C006118).

CONDITION AK: CONDITIONS APPLICABLE TO SPRAY BOOTH, AVAQMD PERMIT # S013999:

- Updated condition 1 to reflect the approved monthly limit.

CONDITION AL: CONDITIONS APPLICABLE TO PROCESS LINE, AVAQMD PERMIT # B008422:

- Updated condition 6 to reference the right condition number for hexavalent chromium limit.

CONDITION AN: CONDITIONS APPLICABLE TO GASOLINE DISPENSING FACILITY (non-retail); AVAQMD PERMIT NUMBER N006513; consisting of:

- Updated condition 15 to reflect the precedence of permits versus Executive order.

CONDITION AO: CONDITIONS APPLICABLE TO STORAGE TANK, AVAQMD PERMIT # T006484:

- Updated condition 2 to reflect the daily limit timing.

CONDITION AS: CONDITIONS APPLICABLE TO FLOW COATER, AVAQMD PERMIT B014584:

- Updated condition 1 to reflect the annual rolling limit.
- Updated condition 2b to reflect the correct type of inspection record
- Updated condition 5 to reflect the need for a revised permit in case of HAP use.

CONDITION AV: CONDITIONS APPLICABLE TO NON_REGENERATIVE CARBON ADSORBER, AVAQMD PERMIT # C014585:

- Updated condition 3 pressure differential baseline inches of water
- Updated condition 9 to include three day consecutive VOC Emission limit of 20 lbs/day.
- Updated condition 13 to include AVAQMD Test Procedural manual.

CONDITION AW: CONDITIONS APPLICABLE TO LASER ABLATION UNITS, B015141, B015041, B015042, B015127, B015128:

- Added all the requirements from individual permit.

CONDITION AX: CONDITIONS APPLICABLE TO CURING OVENS, B015155, B015156, B015157

- Added all the requirements from individual permit.

CONDITION AY: CONDITIONS APPLICABLE TO SPRAY BOOTHS, S015158, S015159, S015160, S015161

- Added all the requirements from individual permit.

CONDITION AZ: CONDITIONS APPLICABLE TO SPRAY BOOTHS, S015162, S015163, S015164

- Added all the requirements from individual permit.

CONDITION BA: CONDITIONS APPLICABLE TO SPRAY BOOTHS, B015171, B015173, B015174

- Added all the requirements from individual permit.

CONDITION BB: CONDITIONS APPLICABLE TO SPRAY BOOTHS, B015172

- Added all the requirements from individual permit

PART IV: STANDARD FEDERAL OPERATING PERMIT CONDITIONS

Changes made to this section of the FOP:

● No changes were made to this section.

PART V: OPERATIONAL FLEXIBILITY

Changes made to this section of the FOP:

● No changes were made to this section.

PART VI: CONVENTIONS, ABREVIATIONS, DEFINITIONS, SIP TABLE

Changes made to this section of the FOP:

● Section E- Updated SIP Table references as applicable

G. SUMMARY OF APPLICABLE REQUIREMENTS

District Rules

Rules 201/203 – Permits to Construct/Permit to Operate. Any equipment which may cause the issuance of air contaminants must obtain authorization for such construction from the Air Pollution Control Officer. Lockheed Martin Palmdale is in compliance with this rule as they have appropriately applied for a District permit for all new equipment and maintains District permits for all residing equipment per Part II, section A.1 and A.2 of their FOP.

Rule 204 – Permit Conditions. To assure compliance with all applicable regulations, the Air Pollution Control Officer (Executive Director) may impose written conditions on any permit. Lockheed Martin Palmdale complies with all applicable regulations per Part II, section A.3 and A.4 of their FOP.

Rule 206 – Posting of Permit to Operate. Equipment shall not operate unless the entire permit is affixed upon the equipment or kept at a location for which it is issued and will be made available to the District upon request. Lockheed Martin Palmdale complies with this regulation per Part II, section A.5 of their FOP.

Rule 207 – Altering or Falsifying of Permit. A person shall not willfully deface, alter, forge, or falsify any issued permit. Lockheed Martin Palmdale complies with this regulation per Part II, section A.6 of their FOP.

Rule 209 – Transfer and Voiding of Permits. Lockheed Martin Palmdale shall not transfer, whether by operation of law or otherwise, either from one location to another, from one piece of equipment to another, or from one person to another. When equipment which has been granted a permit is altered, changes location, or no longer will be operated, the permit shall become void. Lockheed Martin Palmdale complies with this regulation per Part II, section A.7 of their FOP.

Rule 210 – Applications. Lockheed Martin Palmdale provided all the required information to correctly address the renewal pursuant to this rule.

Rule 212 – Standards for Approving Permits. This rule establishes baseline criteria for approving permits by the District for certain projects. In accordance with these criteria, the proposed modifications and application does not cause issuance of air contaminants in violation of Sections 41700 or 41701 of the State Health and Safety code.

Rule 217 – Provisions for Sampling and Testing Facilities. This rule requires the applicant to provide and maintain requirements for sampling and testing. Lockheed Martin Palmdale is in compliance with this rule per Part II, section A.8 of their FOP.

Rule 219 – Equipment not Requiring a Permit. This rule exempts certain equipment from District Permit. Lockheed Martin Palmdale is in compliance with this rule per Part II, section A.9.

Rule 221 – Federal Operating Permit Requirement. Lockheed Martin Palmdale is in compliance with this rule, as they currently hold and maintain a Federal Operating Permit.

Rule 301/312 – Permit Fees/Fees for Federal Operating Permits. Lockheed Martin Palmdale's annual permit fees are due by the applicable amounts.

Rule 401 – Visible Emissions. This rule limits visible emissions opacity to less than 20 percent (or Ringlemann No. 1). In normal operating mode, visible emissions are not expected to exceed 20 percent opacity. Lockheed Martin Palmdale has specific operating conditions that enforce compliance with this rule, specifically Part II, section A.15.

Rule 403 – Fugitive Dust. This rule prohibits fugitive dust beyond the property line of any emission source. Lockheed Martin Palmdale has specific operating conditions to ensure compliance with this condition, specifically Part II, section A.18.

Rule 404 – Particulate Matter Concentration. Lockheed Martin Palmdale shall not discharge into the atmosphere from this facility, particulate matter (PM) except liquid sulfur compounds, in excess of the concentration at standard conditions, shown in Rule 404, Table 404 (a). (a) Where the volume discharged is between figures listed in the table the exact concentration permitted to be discharged shall be determined by linear interpolation. (b) This condition shall not apply to emissions resulting from the combustion of liquid or gaseous fuels in steam generators or gas turbines. (c) For the purposes of this condition, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period. Lockheed Martin Palmdale adheres to this rule per Part II, section A.19 of their FOP.

Rule 405 – Solid Particulate Matter, Weight. Lockheed Martin Palmdale shall not discharge into the atmosphere from this facility, solid PM including lead and lead compounds in excess of the rate shown in Rule 405, Table 405(a): (a) Where the process weight per hour is between figures listed in the table, the exact weight of permitted discharge shall be determined by linear interpolation. (b) For the purposes of this condition, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period. Lockheed Martin Palmdale adheres to this rule per Part II, section A.20 of their FOP.

Rule 407 – Liquid and Gaseous Air Contaminants. This rule limits sulfur compound and CO emissions from facilities. Lockheed Martin Palmdale meets this requirement by complying with operating condition listed in Part II, section A.21 of their FOP. A demonstration of compliance for boilers is presented in Appendix C.

Rule 408 – Circumvention. This rule prohibits hidden or secondary rule violations. The proposed renewal as described is not expected to violate Rule 408. Lockheed Martin Palmdale meets this requirement by complying with operating condition listed in Part II, section A.22 of their FOP.

Rule 409 – Combustion Contaminants. This rule limits the emissions of combustion contaminants exceeding 0.23 gram per cubic meter (0.1 grain per cubic foot) of gas calculated to 12 percent of carbon dioxide (CO2) at standard conditions averaged over a minimum of 25 consecutive minutes. Lockheed Martin Palmdale meets this requirement by complying with operating condition listed in Part II, section A.23 of their FOP. A demonstration of compliance for IC engines fired on diesel fuel is presented in Appendix C.

Rule 430 – Breakdown Provisions. Any Breakdown which results in a violation to any rule or regulation as defined by Rule 430 shall be properly addressed pursuant to this rule. Lockheed

Martin Palmdale meets this requirement by complying with operating condition listed in Part II, section A.13 of their FOP.

Rule 431 – Sulfur Content of Fuels. Lockheed Martin Palmdale is limited to use of the following quality fuels for fuel types specified elsewhere in this permit: PUC quality natural gas fuel - sulfur compounds shall not exceed 800 parts per million (ppm) calculated as hydrogen sulfide at standard conditions; diesel fuel - sulfur content shall not exceed 0.5 percent by weight. Compliance with Rule 431 fuel sulfur limits is assumed for PUC quality natural gas fuel and CARB certified diesel fuel. Records shall be kept on-site and available for review by District, state, or federal personnel at any time. The sulfur content of non-CARB certified diesel fuel shall be determined by use of American Society for Testing and Materials (ASTM) method D 2622-82 or ASTM method D 2880-71, or equivalent. Lockheed Martin Palmdale is required to adhere to this rule per Part II, section A.16.

Rule 442 – Usage of Solvents. This rule reduces VOC emissions from VOC containing materials or equipment that is not subject to any other rule in Regulation XI. Lockheed Martin Palmdale meets this requirement by complying with operating condition listed in Part II, section A.24 of their FOP.

Rule 1000 – National Emission Standards for Hazardous Air Pollutants (NESHAP). Rule 1000 adopts all applicable provisions regarding standards of performance for new stationary sources as set forth in 40 CFR 61. Lockheed Martin Palmdale complies with 40 CFR 61, Subpart M – NESHAP for Asbestos per conditions in Part II, section C.7, C.8, and C.9.

Rule 1113 – Architectural Coatings. This rule limits the quantity of VOC in Architectural Coatings. Lockheed Martin Palmdale meets the requirements of this rule by complying with operating condition listed in Part II, section A.25 of their FOP.

Rule 1124 – Aerospace Assembly and Component Manufacturing Operations. This rule limits the emission of VOC from coatings associated with 12.26. Aerospace Assembly and Component Manufacturing. Lockheed Martin Palmdale meets the requirements of this rule by complying with operating condition listed in Part II, section A.26 of their FOP.

Rule 1107 – Metal Parts and Products Coatings. This rule limits the emission of VOC from coatings associated with Metal Parts and Products. Lockheed Martin Palmdale meets the requirements of this rule by complying with operating condition listed in Part II, section A.27 of

their FOP.

Rule 1136 – Wood Products Coatings. This rule limits the emission of VOC from coatings associated with Wood Products. Lockheed Martin Palmdale meets the requirements of this rule by complying with operating condition listed in Part II, section A.28 of their FOP.

Rule 1145 – Plastic, Rubber and Glass Coatings. This rule limits the emission of VOC from coatings associated with Plastic, Rubber and Glass Operations. Lockheed Martin Palmdale meets the requirements of this rule by complying with operating condition listed in Part II, section A.29 of their FOP.

Rule 1168 – Adhesive Applications. This rule limits the emission of VOC from coatings associated with Adhesive Application Operations. Lockheed Martin Palmdale meets the requirements of this rule by complying with operating condition listed in Part II, section A.30 of their FOP.

Rule 1171 – Organic Solvent Degreasing Operations. This rule limits the emission of VOCs from wipe cleaning and degreasing operations using organic solvents. Lockheed Martin Palmdale meets this requirement by complying with operating condition listed in Part II, section A.31 of their FOP.

Rule 1162 - Polyester Resin Operations. This rule limits the emission of VOCs from Polyester Resin Operations using organic solvents. Lockheed Martin Palmdale meets this requirement by complying with operating condition listed in Part II, section A.34 of their FOP.

Rule 1110.2 – Internal Combustion Engines. The purpose of this rule is to establish limits for emissions associated with emergency, portable, standby, or stationary internal combustion engines. Lockheed Martin Palmdale complies with this rule by operating conditions listed in Part III for each applicable IC engine.

Rule 1140 - The purpose of this rule is to establish limits for emissions associated with Abrasive Blasting operations. Lockheed Martin Palmdale complies with this rule by operating conditions listed in Part III for each abrasive blasting unit.

Rule 1146 - Industrial, Institutional And Commercial Boilers, Steam Generators, And Process Heaters. The purpose of this rule is to establish limits for emissions associated with Industrial,

Institutional and Commercial Boilers, Steam Generators, And Process Heaters. Lockheed Martin Palmdale complies with this rule by operating conditions listed in Part III for each applicable boiler.

Regulation X – National Emission Standards for Hazardous Air Pollutants. Pursuant to Regulation X, Lockheed Martin Palmdale is required to comply with all applicable ATCMs.

Regulation XXX – Federal Operating Permits. This regulation contains requirements for sources which must have a FOP. Lockheed Martin Palmdale currently has a FOP and is expected to comply with all applicable rules and regulations.

Rule 3001 – Federal Operating Permit Definitions. Lockheed Martin Palmdale is defined as a federal Major Facility pursuant to this rule.

Rule 3003 – Federal Operating Permits. This rule outlines the permit term, issuance, restrictions, content, operational flexibility, compliance certification, permit shield, and violations of Federal Operating Permits. Lockheed Martin Palmdale complies with this rule per Part II, sections B and C, and Part IV and V of their FOP.

Rule 3005 – Modifications of Federal Operating Permits. This action to Lockheed Martin Palmdale's FOP does not constitute a modification; therefore, this rule is not subject to this action.

Rule 3006 – Reopening, Reissuance and Termination of Federal Operating Permits. This action to Lockheed Martin Palmdale's FOP does not constitute a Reopening, Reissuance or Termination of Federal Operating Permits; therefore, this rule is not subject to this action.

Rule 3007 – Notice and Comment. This rule outlines the noticing requirements for Notice and Comment. Lockheed Martin Palmdale will properly notice their renewal pursuant to this rule.

Rule 3008 – Certification. Lockheed Martin Palmdale included a Certification of Responsible Official as required with the submitted application for the Renewal.

Rule 3011 – Greenhouse Gas Provisions of Federal Operating Permits. Lockheed Martin Palmdale is a Major GHG Facility pursuant to Rule 3011. Lockheed Martin Palmdale is required to submit GHG data with any application per Part II, section A. 38.

Regulation XIII – New Source Review. This regulation sets forth requirements for the preconstruction review of all new or modified facilities. Regulation XIII requirements applicable to this application are addressed in Section B.

Rule 1401 – Control of Toxic Air Contaminants from Existing Sources. This rule controls the emission of toxic air contaminants from existing source. Lockheed Martin Palmdale is in compliance with this rule.

Regulation XVII – Prevention of Significant Deterioration Please take notice that this regulation is not currently used within the AVAQMD because the USEPA has not delegated authority for the PSD Program to the AVAQMD at this time.

Federal Regulations

40 CFR 60, Subpart A – NSPS General Provisions. Lockheed Martin Palmdale complies with this regulation per Part III section I.

40 CFR 61, Subpart M – NESHAP for Asbestos. Lockheed Martin Palmdale complies with 40 CFR 61, Subpart M – NESHAP for Asbestos per conditions in Part II, section C.7, C.8, and C.9.

40 CFR 63, Subpart A – NESHAP General Provisions. Lockheed Martin Palmdale complies with this regulation per Part II Section A Condition 37 and Part III Conditions 5, 39, 40, and 41.

40 CFR 63, Subpart ZZZZ – NESHAP for Stationary Reciprocating Internal Combustion Engines. Lockheed Martin Palmdale complies with this regulation per Part III Condition 6.

40 CFR 63, Subpart HHHHHH – NESHAP for Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources. Lockheed Martin Palmdale complies with this regulation per Part II Section A Condition 37.

40 CFR 63, Subpart WWWWWW – NESHAP for Area Source Standards for Plating and Polishing Operations. Lockheed Martin Palmdale complies with this regulation per Part III Condition 39.

40 CFR 63, Subpart CCCCCC – NESHAP for Gasoline Dispensing Facilities. Lockheed Martin Palmdale complies with this regulation per Part III Condition 40 and 41.

40 CFR 64 - Compliance Assurance Monitoring. The CAM rule aims to have owners and operators maintain their control devices at the levels that assure compliance. The rule allows owners and operators to design CAM plans on current requirements and operating practices, to select representative parameters upon which compliance can be assured, to establish indicator ranges - or procedures for setting the indicator ranges - for the parameters, to use performance testing and other information to verify the parameters and ranges, and to correct control device performance problems as expeditiously as practicable.

The Lockheed Martin Palmdale facility currently has four PSEU applicable to CAM. Please refer to the CAM PSEU Emission Unit Evaluation and Analysis on the following pages. The corresponding CAM plans can be found in Appendix B.

40 CFR 82, Protection of Stratospheric Ozone. Lockheed Martin Palmdale complies with this regulation per Part IV (21).

H. CONCLUSIONS AND RECOMMENDATION:

The District has reviewed the application for the renewal of Lockheed Martin Palmdale Federal Operating Permit as well as the construction of the proposed permit units. The District has determined that the applications are in compliance with all applicable District, state, and federal rules and regulations as proposed when operated in the terms of the permit conditions given herein, and the attached revised FOP. The proposed permit and corresponding statement of legal and factual basis will be released for public comment and publicly noticed pursuant to District Rule 3007. To view the public notice please refer to Appendix A of this document.

I. COMMENT PERIOD AND NOTIFICATIONS

1. Public Comment

This preliminary determination/decision will be publicly noticed on or about 06/04/2026, allowing for public comment until 07/06/2026 (or 30 days after publish date). Please see Appendix A for noticing details.

2. Notifications

The preliminary decision will be submitted to USEPA and CARB pursuant to District Rule 1302 for an EPA forty-five (45) day review period on 06/04/2026. The final modified FOP shall be issued on or about 07/21/2026.

All correspondence as required by District Rules 1302 will be forwarded electronically to the following recipients:

Director, Office of Air Division
United States EPA, Region IX
75 Hawthorne Street
San Francisco, CA 94105
Submitted electronically to USEPA's Central Data Exchange – Electronic Permitting System
https://cdx.epa.gov/

Chief, Stationary Source Division
California Air Resources Board
P.O. Box 2815
Sacramento, CA 95812
emailed to permits@arb.ca.gov

Lockheed Martin
Vicente Martinez
1011 Lockheed Way
Palmdale, 93599

Appendix A
Public Notice

Noticing Methods include the following, per District Rules 1302(D)(2) and (3) and District Rule 3007(A) and (B):

- Published in a newspaper of general circulation – Antelope Valley Press on or before 06/04/2026.
- Mailed and/or emailed to AVAQMD contact list of persons requesting notice of actions (see the contact list following the Public Notice in this Appendix).
- Posted on the AVAQMD Website at the following link: https://avaqmd.ca.gov/public-notices-advisories

NOTICE of PRELIMINARY DETERMINATION

NOTICE IS HEREBY GIVEN THAT *Lockheed Martin-Palmdale* - located at 1011 Lockheed Way, Palmdale, CA 93599, has submitted applications for a Renewal/ Modification and NSR modification to their Federal Operating Permit (Permit No. 97001754) pursuant to the provisions of Antelope Valley Air Quality Management District (AVAQMD) Regulations XIII and XXX.

The facility is used for the assembly, maintenance, and modification of military aircraft and is classified as a major source of NOx and VOC emissions. The proposed action results in an emissions increase and constitutes a minor modification of the Title V permit. All new permit units are subject to the requirements of New Source Review (NSR). The NOx emissions increase requires offsets in accordance with Rule 1303, which shall be met by utilizing Emission Reduction Credits.

REQUEST FOR COMMENTS

Interested persons are invited to submit written comments and/or other documents regarding the terms and conditions of the proposed NSR modification of Lockheed Martin's Federal Operating Permit. If submitting written comments, you may also request a public hearing regarding the proposed permit modification.

To be considered, comments, documents and requests for public hearing must be submitted no later than **5:00 P.M. on July 06, 2026**, to the AVAQMD, at the address listed below.

PETITION FOR REVIEW

Federal Operating Permits are also subject to review and approval by the U.S. Environmental Protection Agency (USEPA). If USEPA has not objected to the proposed permit and AVAQMD has not satisfactorily addressed a public comment, the public may petition USEPA, Region IX, Operating Permits Section at 75 Hawthorne Street, San Francisco, CA 94105 within 60 days after the end of the USEPA review period to request reconsideration of its decision not to object to the permit.

AVAILABILITY OF DOCUMENTS

The proposed Federal Operating Permit, along with the application and other supporting documentation, is available for review at the AVAQMD offices:

Antelope Valley Air Quality Management District
2551 West Avenue H
Lancaster, CA 93536

Additionally, these documents are available on the AVAQMD website at the following link: https://www.avaqmd.ca.gov/public-notices-advisories.

For additional questions regarding this action and/or corresponding documents, please contact Taylor Morais at (661) 723-8070, extension 24, or via email at tmorais@avaqmd.ca.gov.

Traducción en español esta disponible por solicitud. Por favor llame: (661) 723-8070

APPENDIX B

COMPLIANCE ASSURANCE MONITORING (CAM)

Evaluation, Applicability Analysis, and CAM Plan:

The Compliance Assurance Monitoring (CAM) rule (40 CFR 64) applies to each Pollutant Specific Emissions Unit (PSEU) when it is located at a Major Facility that is required to obtain Title V, Part 70 or 71 permit and it meets all of the following criteria. "PSEU" means an emissions unit considered separately with respect to each regulated air pollutant.

The PSEU must:

a. Be subject to an emission limitation or standard [40 CFR 64; and,

b. Use a control device to achieve compliance [40 CFR 64.2(a)(2)]; and,

c. Have the potential pre-control emissions that exceed or are equivalent to the major source threshold. [40 CFR 64.2(a)(3)]

Emission limitations or standards proposed by EPA after November 15, 1990 under the New Source Performance Standards (NSPS) or National Emission Standards for Hazardous Air Pollutants (NESHAPs) (40 CFR 64.2(b)(1)(i)) are exempt from the CAM applicability process. Sources subject to a continuous compliance demonstration method are also exempt from CAM. NOx emissions from Boiler #3, B006436 are controlled using a Selective Catalytic Reduction (SCR) unit (C006459); however, this unit is subject to a requirement for a continuous compliance determination method and so it exempt from CAM.

VOC emissions from some operations at Buildings 636 and 637 are controlled using two Regenerative Thermal Oxidizers (RTOs) and a UV Oxidation control device (UVOX), respectively. PM_{10} emissions abrasive blasting and painting operations are controlled using fabric filters. Carbon adsorption controls emissions from two spray booths: S008564 and S010188.

Table 1 indicates the units and pollutants that meet two of the three CAM applicability criteria: (1) subject to an emission limit that is not an NSPS/NESHAP requirement or otherwise exempt from CAM, (2) uses a control device to meet such limit.

Table 1. Units and Pollutants Subject to CAM Applicability Determination

Permit Number	Description	Pollutant	Emission Limit 1	Emission Limit 2	Regulatory Basis
C014585	Non-regenerative Carbon Adsorber	VOC	600 lb/month		Rule 204, Rule 1303
C010991	TOS	VOC	1500 lb/month		Rule 204, Rule 1303
S008564	Spray Booth	VOC	757 lb/month		Rule 204, Rule 1303
S010188	Spray Booth	VOC	757 lb/month		Rule 204, Rule 1303
A006389	Abrasive Blasting	PM10	Ringlemann 2 for more than three minutes in any one hour		Rule 1140
A006408	Abrasive Blasting	PM10	Ringlemann 2 for more than three minutes in any one hour		Rule 1140
A006421	Abrasive Blasting	PM10	Ringlemann 2 for more than three minutes in any one hour		Rule 1140
A006500	Abrasive Blasting	PM10	Ringlemann 2 for more than three minutes in any one hour		Rule 1140
A006367	Abrasive Blasting	PM10	Ringlemann 2 for more than three minutes in any one hour		Rule 1140
A006416	Abrasive Blasting	PM10	Ringlemann 2 for more than three minutes in any one hour		Rule 1140
B015141	Laser Ablation	PM10	Ringlemann 2 for more than three minutes in any one hour		
B015041	Laser Ablation	PM10	Ringlemann 2 for more than three minutes in any one hour		

B015042	Laser Ablation	PM10	Ringlemann 2 for more than three minutes in any one hour		
B015127	Laser Ablation	PM10	Ringlemann 2 for more than three minutes in any one hour		
B015128	Laser Ablation	PM10	Ringlemann 2 for more than three minutes in any one hour		
B013914	Boiler 4	NOx	5 ppm at 3% O2		Rule 204, Rule 1303

Lockheed Martin prepared uncontrolled emission calculations for the units and pollutants outlined in Table 1 above to determine if the PSEU triggers CAM. The calculations for each facility are found in Attachment 1. Emission calculations for Lockheed Martin PSEUs indicate that the annual uncontrolled VOC for the Carbon Adsorver and TOS are greater than 25 tons/year; therefore, CAM requirements are triggered for these PSEUs. CAM Plans are included as Attachment 2.

Annual uncontrolled emissions for all other PSEUs were found to be below the Title V major source thresholds.

APPENDIX C

DISTRICT / SIP RULE COMPLIANCE DEMONSTRATIONS:

A. Rule 407: Owner/Operator shall not discharge into the atmosphere from this facility, from any single source of emissions whatsoever, Sulfur compounds, which would exist as a liquid or gas at standard conditions, calculated as sulfur dioxide (SO_2) greater than or equal to 500 ppm by volume. *[40 CFR 70.6 (a)(1) - Periodic Monitoring Requirements] (for Periodic Monitoring Requirements, see: Part II, section A, condition 22; Part III, section C, conditions 11 and 22; Part V, section C, condition 4; Part V, section D, condition 3; Part V, section I, condition 3)*
[Rule 407 – *Liquid and Gaseous Air Contaminants*; Version in SIP = 04/02/1982, 40 CFR 52.220(c)(124)(iv)(A) - 11/10/1982, 47 FR 50864; Current Rule Version = 04/02/1982]

Rule 407 specifies standard conditions, but not dry. Standard conditions for Rule 407 will be calculated as wet.

Calculate the SO_2 concentration in the diesel fueled IC engine exhaust gas using the following assumptions/calculations:

1. Maximum sulfur content of the diesel fuel is by permit condition: 0.05 % by weight.
2. Specific gravity of diesel fuel is 0.84: weight of one gallon of diesel fuel is: 8.33 lb/gal x 0.84 = 7 lb/gal.
3. Heating value of diesel fuel from U.S. EPA AP-42, Section 3.3: 19,300 Btu/lb.
4. Gallons of fuel required for 10^6 Btu: 1 lb/19,300 Btu = x lb/ 10^6 Btu: x = 51.8 lb: (51.8 lb)(1 gal/7 lb) = 7.4 gallons per 10^6 Btu.
5. Pounds of sulfur per 10^6 Btu (7.4 gallons): (7.4 gal)(7 lb/gal)(0.0005) = 0.0259 pounds.
6. Mols of sulfur per 10^6 Btu: 0.0259 lb/ 32 lb/mol = 8.09 x 10^{-4} mols.
7. Volume of SO_2 produced; assuming that one mol of sulfur produces one mol of SO_2; 8.09 x 10^{-4} mols of SO_2 are produced per 10^6 Btu of diesel burned: (385 ft^3 / mol)(8.09 x 10^{-4} mols) = 0.312 $ft^{3:}$ (385 ft^3/mol is at 68 degrees Fahrenheit).
8. From 40 CFR 60, Appendix A, Method 19 the F_w factor for diesel is 10,320 wscf / 10^6 Btu (68 degrees Fahrenheit, 0 % excess O_2). Rule 407 specifies the SO_2 concentration at standard conditions, wet, not dry.

For purposes of this calculation, excess air from the combustion process will not be considered in calculating the SO_2 concentration & is the most conservative assumption:
Concentration of SO_2 at zero percent oxygen:

0.312 ft^3/(0.010320 x 10^6 wscf) = 30.2 ppmv

Conclusion: Diesel fueled IC Engine exhaust SO_2 concentration of 30.2 ppmv complies with Rule 407 SO_2 limit of 500 ppmv.

It is assumed that the SO_2 concentration in natural gas fueled IC engine exhaust gas will be conservatively less than that demonstrated above for diesel combustion:

Calculate the CO concentration in boiler exhaust gas using the following assumptions/calculations:

1. Based on U.S. EPA AP-42; Section 1.4, Table 1.4-2, lists the CO emission factor for natural gas combustion in boilers to be 35 lb CO per 10^6 ft^3 of natural gas burned. Assume 1000 Btu / ft^3 of natural gas.
2. From 40 CFR 60 Appendix A, Method 19, the F_d factor for natural gas is 8710 dscf /10^6 Btu (68 degrees Fahrenheit). Rule 407 specifies the CO concentration on a dry basis.
3. For the purposes of this calculation, excess air will not be considered in calculating the CO concentration (most conservative):

Cubic feet of CO produced per 10^6 ft^3 of natural gas burned:
(35 lb) (1 lb mol / 28 lb) (385 ft^3 / mol) = 481 ft^3 CO (385 ft^3 / mol at 68 degrees Fahrenheit)

Dry cubic feet of combustion gas formed from 10^6 ft^3 of natural gas burned:
(10^6 ft^3 gas) (1000 Btu / ft^3) (8710 dscf / 10^6 Btu) = 8,710,000 dscf

CO concentration = 481 ft^3 / 8.71 10^6 ft^3 = 55.2 ppm (most conservative)

Conclusion: Boiler exhaust CO concentration of 55.2 ppmv complies with Rule 407 CO limit of 2000 ppmv.

B. Rule 409: Owner/Operator shall not discharge into the atmosphere from this facility from the burning of fuel, combustion contaminants exceeding 0.23 gram per cubic meter (0.1 grain per cubic foot) of gas calculated to 12 percent of carbon dioxide (CO_2) at standard conditions averaged over a minimum of 25 consecutive minutes.

[Rule 409 - *Combustion Contaminants*; Version in SIP = 8/7/1981, 40 CFR 52.220(c)(103)(xviii)(A) - 7/6/1982, 47 FR 29231; Current Rule Version = 8/7/1981]

Calculate the Total Particulate Concentration in the diesel fueled IC engine exhaust gas using

the following assumptions/calculations:

1. Based on U.S. EPA AP-42, Section 3.4, Table 3.4-5, the emission factor for total particulate is 0.0697 lb/10^6 Btu. (= 487.9 grains/10^6 Btu)
2. From 40 CFR 60, Appendix A, Method 19 the F_w factor for diesel is 10,320 wscf/10^6 Btu (68 degrees Fahrenheit, 0 % excess O_2). Rule 409 specifies the Particulate concentration at standard conditions, wet, not dry.

For purposes of this calculation, excess air from the combustion process will not be considered in calculating the Particulate concentration & is the most conservative assumption:

Concentration of Particulate at zero percent oxygen:

(487.9 grains/10^6 Btu) / (10,320 wscf/10^6 Btu) = 0.047 grain/ft^3

Conclusion: Diesel fueled IC Engine exhaust Total Particulate concentration of 0.047 grain per cubic foot complies with Rule 409 limit of 0.1 grain per cubic foot.

It is assumed that the Total Particulate concentration in natural gas fueled IC engine exhaust gas will be conservatively less than that demonstrated above for diesel combustion.

Attachment 1 –
PSEU Uncontrolled Emission Calculations

VOC Emission Sources:

Permit No.	Pollutant	Emissions Limit	Averaging Period	Required Control Efficiency	Estimated Uncontrolled Emissions	
		lbs			lb/yr	TPY
C014685	VOC	600	Month	81.00%	37895	18.95
C010991	VOC	1500	Month	97.00%	600000	300.00
S008564	VOC	757	Month	0.00%	9084	4.54
S010188	VOC	757	Month	0.00%	9084	4.54

Abrasive Blasting Equipment:

Permit No.	Equipment Name	PM Emission Factor (lb/lb abrasive)	PM10 Emission Factor (lb/lb abrasive)[1]	PM 2.5 Emission Factor (lb/lb abrasive)[2]	PM10 Uncontrolled Emission Rate (lb/hr)	PM10 Uncontrolled Emission Rate (TPY)	PM2.5 Uncontrolled Emission Rate (lb/hr)	PM2.5 Uncontrolled Emission Rate (TPY)
A006389	P10 B601 Abrasive	0.01	0.01	0.001	5.172	22.65	0.517	2.265
A006408	P10 B601 Abrasive	0.01	0.01	0.001	5.737	25.13	0.574	2.513
A006421	P10 B601 Abrasive	0.01	0.01	0.001	22.141	96.98	2.214	9.698
A006500	P10 B636 Abrasive	0.01	0.01	0.001	27.248	119.35	2.725	11.935
A006367	S2 B211 Abrasive B	0.01	0.01	0.001	61.899	271.12	6.190	27.112
A006416	S2 B211 Abrasive B	0.01	0.01	0.001	11.640	50.98	1.164	5.098
				133.838	586.210	13.384	58.621	

[1] PM Emission factors for SCAQMD Permit Processing Manual Table 3-4, November 8 , 1989, in lb PM/lb abrasive; Sand = 0.041, Grit = 0.010, Shot = 0.004, Other = 0.010
[2] PM10 = PM, PM2.5 = 10% of PM10
[3] Control efficiency from EPA publication on particulate matter controls, listing efficiency at 99-99.9%, http://www.epa.gov/ttncatc1/dir1/cs6ch1.pdf

Laser Ablation Equipment:

Permit No.	Equipment Name	No. of nozzles	Nozzle ID (inches)	Maximum Nozzle Pressure (psig)	Type of Material	Density of material lb/cu ft [1]	Total cu ft of material	Total lb of material per day	Flow rate (lb of material/hr/ nozzle)[2]	Flow rate (lb of material/hr)	Uncontrolled PM10 Emissions (lb/hr)	Uncontrolled PM10 Emissions (tons/yr)
B014829	B646 Laser Ablation	1	2	3.03	Coating	52.92	0.210	11.129	1.391	1.391	1.39	6.09
B015041	B636 Laser Ablation	1	2	3.03	Coating	52.92	0.210	11.129	1.391	1.391	1.39	6.09
B015042	B637 Laser Ablation	1	2	3.03	Coating	52.92	0.210	11.129	1.391	1.391	1.39	6.09
Bxxxxxx	B648 Laser Ablation	1	2	3.03	Coating	52.92	0.210	11.129	1.391	1.391	1.39	6.09
Bxxxxxx	B648 Laser Ablation	1	2	3.03	Coating	52.92	0.210	11.129	1.391	1.391	1.39	6.09
Total												

[1] Worst case densities taken from SDS averages
[2] Flow rates taken from LFE-401 Spec sheet
[3] PM Emissions are captured by vacuum into abatement cabinet

Attachment 2 – CAM Plans

Compliance Assurance Monitoring Plan
Abrasive Blasting A006367

Emissions Unit

- Process/Emissions unit: Abrasive Blasting Room A006367
- Pollutant: PM, Opacity
- Emissions Control Technique: Baghouse C006383

Applicable Requirements

- Opacity: Unit shall not discharge into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is:
    - As dark or darker in shade as that designated as No. 2 on the Ringlemann Chart, as published by the U.S. Bureau of Mines, or
    - Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in above section.

Monitoring Approach

Indicators Monitored	**Pressure Drop**
Rational for Monitoring Approach	Pressure drop through the baghouse is monitored using a differential pressure gauge
Monitoring location	Fabric filter(s)
Analytical Devices Required	Pressure gauge
Monitoring frequency	Once daily when in use
Reporting units	Inches of water
Recordkeeping	Datalogger
QA/QC	Excursions trigger corrective action and a reporting requirement

Basis

Increase in pressure drop can indicate that the bags are becoming blinded. Decrease in pressure drop can indicate holes, tears, or missing bags. If pressure drop does not meet specifications, the unit will be taken out of service for repair.

Compliance Assurance Monitoring Plan
Abrasive Blasting A006500

Emissions Unit

- Process/Emissions unit: Abrasive Blasting Room A006500
- Pollutant: PM, Opacity
- Emissions Control Technique: Baghouse C012227

Applicable Requirements

- Opacity: Unit shall not discharge into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is:
    - As dark or darker in shade as that designated as No. 2 on the Ringlemann Chart, as published by the U.S. Bureau of Mines, or
    - Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in above section.

Monitoring Approach

Indicators Monitored	**Pressure Drop**
Rational for Monitoring Approach	Pressure drop through the baghouse is monitored using a differential pressure gauge
Monitoring location	Fabric filter(s)
Analytical Devices Required	Pressure gauge
Monitoring frequency	Once daily when in use
Reporting units	Inches of water
Recordkeeping	Datalogger
QA/QC	Excursions trigger corrective action and a reporting requirement

Basis

Increase in pressure drop can indicate that the bags are becoming blinded. Decrease in pressure drop can indicate holes, tears, or missing bags. If pressure drop does not meet specifications, the unit will be taken out of service for repair.

Compliance Assurance Monitoring Plan
Thermal Oxidizer C010991

Emissions Unit

- Process/Emissions units:
  - Silk screening equipment B006423
  - Coating and curing oven line B009972
  - Paint Booth in Room T122 Silicones
  - Oven B006435
  - Spray Paint booths (3) in Room T118 Paint Shop
- Pollutants: VOC, NOx, CO
- Emissions Control Technique: Concentrator/Thermal oxidizer

Applicable Requirements

- VOC: <1500 lb/month
- VOC: Control efficiency of not less than 97% or emissions of <10 ppmv (as methane)
- NOx as NO2: 0.12 lb/hr operating at 100% load
- CO: 1.0 lb/hr operating at 100% load

Monitoring Approach

Indicators Monitored	**Usage Records**	**Reaction Chamber Temperature**	**Control Efficiency Tests for VOC**	**Initial Compliance Test for CO & NOx Emissions**
Rational for Monitoring Approach	Recording usage of coatings and solvents ensures compliance with daily emission limits.	Monitoring the reaction chamber temperature ensures proper destruction of VOC.	Accurate testing will demonstrate compliance with VOC control efficiency.	An initial compliance test demonstrated compliance with NOx and CO emission limits upon startup of the unit.
Monitoring Location	None	Sensor is located in vapor space above the two reaction chambers.	Concentrator inlet and oxidizer outlet	Determined per the test method.
Analytical Devices Required	None	Thermocouple. – A thermocouple produces a voltage output that can be correlated to the temperature that the thermocouple is measuring. Thermocouples cannot be calibrated. Accuracy is assured using QA/QC program described below.	Determined per the appropriate test method.	Determined per the test method.

Indicators Monitored	**Usage Records**	**Reaction Chamber Temperature**	**Control Efficiency Tests for VOC**	**Initial Compliance Test for CO & NOx Emissions**
Monitoring Frequency	Daily records of usage are maintained	Instantaneous measurement taken once every 15 minutes.	Annually, or once every 3 years after the operator has demonstrated compliance for two consecutive tests	Initially upon startup of the unit.
Reporting Units	lb/day VOC	Degrees Farenheit. Minimum operating temperature is 1400 °F	Control efficiency in percent or ppmv	lb/hr NOx lb/hr CO
Recordkeeping	The amount and VOC content of each coating and solvent is recorded daily. Records include cleanup solvent used.	Temperature is recorded every 15 minutes using a data logger. Records will be made available upon request.	The owner/operator shall perform and report these tests in accordance with the District Compliance Test Procedural manual. Source test results will be maintained on site.	Test results are maintained on-site.
QA/QC	Training of equipment operators in proper recordkeeping practices.	Thermocouples will be replaced annually or upon failure.	Trained source testers will be used.	Trained source testers were used.

Basis

Records are maintained of coating and solvent use and coating and solvent VOC/HAP content. The amount used and the VOC and HAP content of each coating material and solvent used is recorded daily. Therefore a recordkeeping approach provides a reasonable assurance of compliance with monthly VOC limits.

Control efficiency achieved by thermal oxidizer is a function of its operating temperature. Therefore reaction chamber temperature was selected as an indicator to be monitored. If the chamber temperature decreases significantly, complete combustion may not occur. By maintaining the operating temperature at or above a 1400 °F minimum, a level of control efficiency of 97% is expected to be achieved.

The facility performed a VOC control efficiency source test within 90 days of initial operation. Compliance tests are conducted at the concentrator inlet and oxidizer outlet to determine VOC concentrations at high VOC loading and corresponding destruction efficiency (over three separate complete concentrator cycles). Compliance tests are conducted in accordance with the AVAQMD Compliance Test Procedural Manual. VOC concentrations are determined in accordance with and U.S. EPA Test Methods 25, 25A or 25B, with U.S. EPA Test Method 18 or CARB Method 422 used to determine exempt compound concentrations. Performing the above tests in accordance with the required guidelines and methods ensures that accurate results are obtained in order to demonstrate compliance with the permit requirement.

The facility has demonstrated compliance with NOx and CO emission limits by performing an initial compliance test, in accordance with permit conditions. Test results are maintained on site.

The thermal oxidizers run continuously while the concentrators can be on or off. Because there are two identical thermal oxidizer/concentrator units, facility operations may continue in the event of a single unit failure.

Compliance Assurance Monitoring Plan
Carbon Adsorber C014585

Emissions Unit

- Process/Emissions units:
  - Spray booth PA02
  - Spray Booth MR01
  - Flow Coater B006456
  - Coating/Drying Line/Oven B008132
  - Coating/Drying Line/Oven B008133
  - Oven B006116
- Pollutant: VOC
- Emissions Control Technique: Non-regenerative carbon adsorber

Applicable Requirements

- VOC < 600 lb/month;
- VOC overall control efficiency of 81% by weight

Monitoring Approach

Indicators Monitored	**Usage Records**	**UVOX Carbon filter VOC monitor**	**Source tests**
Rational for Monitoring Approach	Recording usage of coatings and solvents ensures compliance with daily and monthly emission limits.	VOC concentration, flow and temperature monitored continuously	Testing will demonstrate compliance with VOC capture and destruction efficiency.
Monitoring location	N/A	Carbon bed outlet stack	Determined per the test method.
Analytical Devices Required	None	PID Analyzers Model 201-C PID (or equivalent) photo ionization detection (PID)	Determined per the test method.
Monitoring frequency	Daily records of usage are maintained	15 minute intervals	Upon request
Reporting units	lb/day VOC	ppm VOC	Percentage by weight

Indicators Monitored	Usage Records	UVOX Carbon filter VOC monitor	Source tests
Recordkeeping	The amount and VOC content of each coating and solvent is recorded daily. Records include cleanup solvent used.	Records demonstrating emissions in lb/day and all backup documentation (concentration, flow, temperature) will be made available upon request	The owner/operator will perform and report these tests in accordance with the District Compliance Test Procedural manual. Source test results will be maintained on site.
QA/QC	Training of equipment operators in proper recordkeeping practices	Calibration frequency– **Zero drift**- Automatic compensation; <1% per month **Span drift**- Auto calibration each 24 hours (with contact closure), may require manual set of span: less than 1% every 24 hours	Trained source testers will be used.

Basis

The outlet concentration of hydrocarbons in the exhaust stack will be monitored every 15 minutes using a PID. The process of photoionization is initiated by the absorption of a photon of ultraviolet radiation energetic enough to ionize a molecule (RH) by the process shown below:

$$RH + hv = RH^{+} + e^{-}$$

where hv represents a photon with an energy > the ionization potential of species RH.

The ions are collected in an ionization chamber which is adjacent to the lamp and contains an accelerating electrode (biased positively) and a collection electrode where the current is measured. After amplification, the current measured is proportional to concentration. The response measured will be a summation (total) of the hydrocarbons ionized.

Flow and temperature will also be monitored in the same location.

The 15 minute hydrocarbon concentration reading will be converted to pounds of emissions for the period using the following formula:

$$M = F \times \frac{273}{273+T} \times \frac{29.92+P}{29.92} \times C \times MW \times 4.17408 \times 10^{-8}$$

where:

M = mass flow in lb/period (15 minutes)
F = Flow (acfm)
T = Temperature (Deg C)
P = Pressure in mmHg
C = Concentration (ppm as methane)
MW = Molecular Weight of methane (16 lb/lb-mole)

Example assuming a concentration of 3 ppm, and flow of 110,000 CFM measured at 20 Deg C and a pressure of 1 mmHg

$$Mass = 110000\ cfm \times \frac{273}{273+20} \times \frac{29.92+1}{29.92} \times 3.0\ ppm \times 16 \times 4.1741 \times 10^{-8}$$

$$Mass = 0.05659\ lb/period$$

The 96 values representing emissions for the 24 hour period midnight to midnight will be totaled at the end of each day. Records demonstrating emissions in lb/day used to demonstrate compliance with the daily and monthly VOC emission limits. The records and all backup documentation (concentration, flow, temperature) will be made available upon request

A VOC control efficiency source test will be conducted to demonstrate compliance with the 81% CE requirement when construction and testing is complete.

Records are maintained of coating and solvent use and coating and solvent VOC/HAP content. The amount used and the VOC and HAP content of each coating material and solvent used is recorded daily. Recordkeeping provides a reasonable second check for compliance with operating conditions.

APPENDIX D
Permitting Package

Antelope Valley Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION
INSTRUCTIONS

Introduction:

Antelope Valley Air Pollution Control District (AVAQMD) Rule 3002 requires Title V permit holders to submit an application for renewal of the Title V permit no more than 18 months prior to the expiration date and no less than 6 months prior to the expiration date of the permit. A complete renewal application will consist of the following forms and documents, together with appropriate supplemental information, as described in these instructions:

1. A General Facility Information form and all required attachments.
2. An Application Certification form
    - The Application Certification Form is used to certify that the facility is currently operating and will continue to operate in compliance with all applicable requirements of the Title V permit and applicable rules and regulations.
    - If the facility is not operating in compliance with current requirements, the facility must submit a compliance plan using the Title V Non-Compliant Operations Report
    - The Application Certification form is also used to certify that the facility has reviewed the current Title V permit for errors.
    - If the facility finds any errors in the current Title V permit, or if there are any necessary additions or new requirements that have become applicable since the previous Title V permit was issued, a redlined copy of the permit must be attached to the permit renewal application, along with any necessary permit application/modification forms.
3. A Title V Non-Compliant Operations report, if applicable
4. A Title V List of Exempt Equipment, pursuant to Rule 219
5. A Title V Potential Emissions Report for criteria pollutants, HAPs, and greenhouse gases.
6. A Compliance Assurance Monitoring (CAM) Applicability Determination form, along with CAM Plans for all emission units at the facility for which CAM Plans are required.
7. A Permit Shield Request, if applicable.
8. An Alternative Operating Scenarios form, if applicable.

Antelope Valley Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – GENERAL FACILITY INFORMATION

1. FACILITY ID: 01754 FACILITY SIC CODE: 3720

TITLE V PERMIT NUMBER: 097001754 PERMIT EXPIRATION DATE: April 12, 2026

2. COMPANY NAME: Lockheed Martin Aeronautics Company

3. COMPANY MAILING ADDRESS:

STREET/P.O. BOX: 1011 Lockheed Way

CITY: Palmdale STATE: CA 9-DIGIT ZIP CODE: 93599

4. FACILITY NAME: Plant 10 and Air Force Plant 42 Site 2 and Site 7

5. FACILITY MAILING ADDRESS:

STREET/P.O. BOX: 1011 Lockheed Way

CITY: Palmdale STATE: CA 9-DIGIT ZIP CODE: 93599

6. RESPONSIBLE OFFICIAL (AS DEFINED IN 40 CFR 70.2 AND AVAQMD RULE 3001)

NAME: Orlando Sanchez Jr. TITLE: Vice President, ADP PHONE NUMBER 661-572-7333

7. TITLE V PERMIT CONTACT PERSON

NAME: Vicente Martinez TITLE: ESH Engineer PHONE NUMBER 661-572-0681

8. TYPE OF ORGANIZATION:

■ CORPORATION ☐ SOLE OWNERSHIP ☐ GOVERNMENT ☐ PARTNERSHIP ☐ UTILITY

9. CAM (COMPLIANCE ASSURANCE MONITORING) PLANS

Are you required to submit a CAM plan for any emissions unit at this facility? ■ Yes ☐ No

If yes, submit a CAM plan for each emissions unit as an attachment to the application. See attached CAM plan instructions for more detail.

10. ALTERNATE OPERATING SCENARIOS

Does this application request alternative operating scenarios pursuant to Rule 3003(E)? ☐ Yes ◉ No

If yes, submit an Alternate Operating Scenarios form, as applicable.

11. RISK MANAGEMENT PLAN

Has this facility been required to prepare a federal Risk Management Plan pursuant to Section 112(r) of the federal Clean Air Act and 40 CFR Part 68? ☐ Yes ■ No

If yes, has the federal Risk Management Plan been submitted to the implementing agency? ☐ Yes ☐ No

If a federal Risk Management Plan is required but has not been submitted to the implementing agency, provide a detailed explanation as an attachment to the application.

12. STRATOSPHERIC OZONE

Does the facility conduct any activities that are regulated by the federal protection of stratospheric ozone requirements in 40 CFR Part 82? ■ Yes ☐ No

13. ACID RAIN

Is this facility subject to the acid rain requirement in 40 CFR Part 72 through 40 CFR Part 78? ☐ Yes ■ No

14. MAJOR SOURCE STATUS

Is this facility a major source of greenhouse gases, as defined in AVAQMD Rule 3011? ■ Yes ☐ No

Is this facility a major source of any of the following pollutants:

■ VOCs ☐ Particulate Matter ☐ Carbon Monoxide ■ Nitrogen Oxides ☐ Sulfur Dioxides

☐ Lead ☐ HAP

15. PERMIT SHIELDS

Does the current Title V permit for this facility include any permit shields? ☐ Yes ■ No

If yes, is the basis for each permit shield still correct? ☐ Yes ☐ No

If the current Title V permit contains any permit shield for which the basis is no longer correct, provide a detailed explanation as an attachment to the application. If you are requesting an additional permit shield, complete the attached Permit Shield Request form.

16. CERTIFICATION BY RESPONSIBLE OFFICIAL

Based on information and belief formed after reasonable inquiry, information and statements in the submitted application package, including all accompanying reports, and required certifications are true accurate and complete. I declare, under penalty of perjury under the laws of the state of California, that the forgoing is correct and true:

Signature: _____ Date: 10/7/25

Antelope Valley Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – GENERAL FACILITY INFORMATION
INSTRUCTIONS

The General Facility Information form requests general information identifying the stationary source. As indicated on the form and discussed in more detail below, an applicant is required to include supplemental information in addition to the form.

Line 1. Please enter
- The AVAQMD Facility ID number
- The Facility SIC code
- The Title V Permit to Operate number
- The Title V Permit expiration date

Line 2. Enter the name of the company that owns the business

Line 3. Enter the company mailing address

Line 4. Enter the name of the facility

Line 5. Enter the facility mailing address

Line 6. Enter the name and title of the responsible official. The name of the person identified on this line must meet the qualifications of a "Responsible Official", as defined in 40 CFR 70.2 and AVAQMD Rule 3001.

For a corporation, the responsible official shall be a president, secretary, treasurer, or vice president in charge of a principal business function, or any other person who performs similar policy or decision making functions for the corporation. The responsible official may be a duly authorized representative rather than any of the above if the representative is responsible for the overall operation of one or more manufacturing, production or operating facilities which are applying for or subject to a permit; and:

1. The facility employs more than 250 persons or has gross annual sales or expenditures exceeding $25 million in 1980 dollars; or

2. The delegation of the authority is approved in advance by the APCO.

For a partnership or sole proprietorship, the responsible official is a general partner or the sole proprietor, respectively.

For a municipality, state, federal, or other public agency, the responsible official shall be either the principal executive officer or a ranking elected official. The principle executive officer, in the case of a federal agency, may be the executive officer having responsibility for a geographical unit.

For an Acid Rain Facility, the responsible official is a designated representative as defined in 40 CFR 72.20.

Line 7. The name of the person identified on this line should be the appropriate contact for questions regarding the application.

Line 8. Indicate the organizational structure of the facility

Line 9. Complete a Compliance Assurance Monitoring Applicability Determination Form, and indicate whether you are required to submit a CAM plan for any emissions unit at the facility.

Line 10. Please complete the Alternate Operating Scenario form, if applicable. Ensure that descriptions that contain sufficient emission information for the District to develop reasonable permit conditions for each alternative operating scenario anticipated at the facility.

Line 11. Enter requested risk management plan information.

Line 12. Enter requested information regarding the stratospheric ozone requirements.

Line 13. Enter requested information regarding the acid rain requirements.

Line 14. Enter requested information regarding the major source status of the facility.

Line 15. Enter information indicating whether the current facility permit contains any Permit Shields. Indicate whether the basis for the permit shield is still correct. If you are requesting any additional permit shields, complete the attached Permit Shield Request form.

Line 16. The name of the person's signature provided on this line must meet the qualifications of a "Responsible Official", as defined in 40 CFR 70.2 and AVAQMD Rule 3001. This definition is described in detail under Line 6. Please also specify the title of the Responsible Official at your facility.

Antelope Valley Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – APPLICATION CERTIFICATION

I. FACILITY INFORMATION

1. FACILITY NAME: Lockheed Martin Aeronautics Company
2. FACILITY ID: 01754
3. TITLE V PERMIT #: 097001754

II. TITLE V PERMIT CERTIFICATION (Read each statement carefully and check one):

☐ The current Title V permit has been reviewed and it has been determined that equipment descriptions are correct, and all requirements are still applicable.

☑ The current Title V permit has been reviewed and errors have been found in equipment descriptions and/or permit requirements. A copy of the Title V permit is attached with redline changes. Permit application and/or modification forms are enclosed, as applicable.

III. COMPLIANCE CERTIFICATION (Read each statement carefully and check all for confirmation):

☑ Based on information and belief formed after reasonable inquiry, the equipment identified in this application will continue to comply with the applicable federal requirement(s), except for those requirements listed in the "Title V Non-Compliant Operations Report".

☑ Based on information and belief formed after reasonable inquiry, the equipment identified in this application will comply with applicable federal requirement(s) that will become effective during the permit term, on a timely basis, except for those requirements listed in the "Title V Non-Compliant Operations Report".

☑ Corrected information will be provided to the District when I become aware that incorrect or incomplete information has been submitted.

Based on information and belief formed after reasonable inquiry, information and statements in the submitted application package, including all accompanying reports, and required certifications are true accurate and complete. I declare, under penalty of perjury under the laws of the state of California, that the forgoing is correct and true.

Signature of Responsible Official

10/7/25
Date

Kenneth J. DeHaven
Name of Responsible Official (please print)

Title of Responsible Official (please print)

Antelope Valley Air Quality Management District

TITLE V PERMIT RENEWAL - APPLICATION CERTIFICATION
INSTRUCTIONS

Complete a Title V Renewal - Application Certification Form by providing the following information:

I. Facility Information

Line 1. Enter the name of the facility.
Line 2. Enter the AVAQMD Facility ID number.
Line 3. Enter the current Title V permit number.

II. Title V Permit Certification

Review the current Title V permit to operate to determine whether equipment descriptions are correct, and whether all requirements are still applicable to the equipment. If any errors are found, provide a redlined copy of the permit to operate, along with any applicable permit modification forms.

III. Compliance Certification

A compliance certification is a certification by the Responsible Official that each of the listed statements are true, accurate, and complete. The Responsible Official must check off that the statements that are true, sign and date, and print his/her name and title.

For a corporation, the responsible official shall be a president, secretary, treasurer, or vice president in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation. The responsible official may be a duly authorized representative rather than any of the above if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit; and

1. the facilities employ more than 250 persons or have gross annual sales or expenditures exceeding $25 million in 1980 dollars; or
2. the District has approved a petition from the original responsible person to delegate authority.

For a public agency the responsible official shall be either the principal executive officer or the ranking elected official. The principal executive officer, in the case of a federal agency, may be the executive officer having responsibility for a geographical unit.

For a partnership or sole proprietorship, the responsible official is a general partner or the proprietor, respectively

Antelope Valley Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – LIST OF EXEMPT EQUIPMENT

I. FACILITY INFORMATION

1. FACILITY NAME: Lockheed Martin Aeronautics Company
2. FACILITY ID: 01754
3. TITLE V PERMIT #: 097001754

II. SUMMARY OF EQUIPMENT EXEMPT FROM PERMIT REQUIREMENTS (INCLUDING PORTABLE)

4. EXEMPT EQUIPMENT DESCRIPTION	5. VENTING TO CONTROL (PERMIT #)	6. CONTROL DEVICE DESCRIPTION	7. BASIS FOR EXEMPTION (e.g. Rule 219(D)(2)(b))
MOBILE EQUIPMENT	N/A	N/A	RULE 219 (E) (1) (a)
COMBUSTION AND HEAT TRANSFER EQUIPMENT	N/A	N/A	RULE 219 (E) (2) (a), (b), (f)
STRUCTURES AND EQUIPMENT	N/A	N/A	RULE 219 (E) (3) (a), (b), (c), (f), (g), (h)
UTILITY EQUIPMENT	N/A	N/A	RULE 219 (E) (4) (a), (b), (c), (e), (f), (j)
GLASS, CERAMIC, METALLURGICAL PROCESSING & FABRICATION EQUIPMENT	N/A	N/A	RULE 219 (E) (5) (d), (e), (f), (h), (k), (l), (n)
ABRASIVE BLASTING EQUIPMENT	N/A	N/A	RULE 219 (E) (6) (b), (d), (e)
MACHINING EQUIPMENT	N/A	N/A	RULE 219 (E) (7) (a), (b), (c)
PRINTING AND REPRODUCTION EQUIPMENT	N/A	N/A	RULE 219 (E) (8) (a) (g)
FOOD PROCESSING AND PREPARATION EQUIPMENT	N/A	N/A	RULE 219 (E) (9) (e)
PLASTICS, COMPOSITE AND RUBBER PROCESSING EQUIPMENT	N/A	N/A	RULE 219 (E) (10) (a), (b), (c), (d), (e), (f), (g), (h), (i), (j), (k)
MIXING AND BLENDING EQUIPMENT	N/A	N/A	RULE 219 (E) (11) (a), (b), (d), (e)
MISCELLANEOUS PROCESS EQUIPMENT	N/A	N/A	RULE 219 (E) (12) (d), (h), (j) (i),(ii) and (iii), (k), (o), (p) (i-v), (r), (s), (v), (w), (x), (y), (z),(bb), (cc), (dd), (gg), (hh) (mm)
STORAGE AND TRANSFER EQUIPMENT	N/A	N/A	RULE 219 (E) (13) (b), (c), (d), (e), (f), (g), (h), (i), (l), (m), (o), (p), (q), (r), (s), (t)

Antelope Valley Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – POTENTIAL EMISSIONS REPORT, CRITERIA POLLUTANTS & HAPs

I. FACILITY INFORMATION

2. FACILITY NAME: Lockheed Martin Aeronautics Company
1. FACILITY ID: 01754
3. TITLE V PERMIT #: 097001754

II. POTENTIAL ANNUAL EMISSIONS

1. EMISSION UNIT (APPLICATION OR PERMIT #)	2. EQUIPMENT DESCRIPTION	3. POTENTIAL ANNUAL EMISSIONS							
		NOx (TPY)	VOC (TPY)	PM10 (TPY)	PM2.5 (TPY)	SOx (TPY)	CO (TPY)	HAP: (TPY)	HAP: (TPY)
Facility	Facility Limit		114.06	15.00	15.00			<25 (agg)	< 10 (ind)
C014585	B637/ Carbon Non Reg Scrub		3.6						
C010991	B636/ Concentrator RTO	0.53	9.0	X	X	0.02	4.38	X	X
B006491	P10 Boiler No. 1	14.49	X	X	X	0.23	117.62	X	X
B006488	P10 Boiler No. 2	14.49	X	X	X	0.23	117.62	X	X
B006436	P10 Boiler No. 3	4.59	X	X	X	0.25	62.04	X	X
B013914	P10 Boiler No. 4	1.26	X	X	X	0.09	5.90	X	X
B013213	S210 Boiler No. 1	0.80	X	X	X	0.04	2.70	X	X
B013214	S210 Boiler No. 2	0.80	X	X	X	0.04	2.70	X	X
B012651	S211 Boiler No. 1	0.67	X	X	X	0.04	2.26	X	X
B012658	S211 Boiler No. 2	0.67	X	X	X	0.04	2.26	X	X
B006116	B637 Oven PA05	0.68	X	X	X	0.004	0.57	X	X

Antelope Valley Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – POTENTIAL EMISSIONS REPORT, CRITERIA POLLUTANTS & HAPs

2. FACILITY NAME: Lockheed Martin Aeronautics Company

1. FACILITY ID: 01754

3. TITLE V PERMIT #: 097001754

I. FACILITY INFORMATION

II. POTENTIAL ANNUAL EMISSIONS

1. EMISSION UNIT (APPLICATION OR PERMIT #)	2. EQUIPMENT DESCRIPTION	3. POTENTIAL ANNUAL EMISSIONS							
		NOx (TPY)	VOC (TPY)	PM10 (TPY)	PM2.5 (TPY)	SOx (TPY)	CO (TPY)	HAP: (TPY)	HAP: (TPY)
B014584	B644 Oven - Foam Coater	0.64	X	X	X	0.004	0.57	X	X
B014586	B645 Curing Oven - Large	1.02	X	X	X	0.02	8.29	X	X
B014588	B645 Curing Oven - Small	0.68	X	X	X	0.01	5.52	X	X
E006453	IC Engine B601	0.136	X	X	X	0.00006	0.030	X	X
E006454	IC Engine B601	0.136	X	X	X	0.00006	0.030	X	X
E012381	IC Engine B601	0.019	X	X	X	0.00004	0.005	X	X
E006470	IC Engine B602	0.058	X	X	X	0.00003	0.013	X	X
E006498	IC Engine B603	0.150	X	X	X	0.00006	0.033	X	X
E006811	IC Engine B604	0.016	X	X	X	0.00001	0.003	X	X
E011076	IC Engine B608	0.029	X	X	X	0.00005	0.007	X	X
E006124	IC Engine B610	0.027	X	X	X	0.00001	0.006	X	X
E006427	IC Engine B611	0.096	X	X	X	0.00004	0.021	X	X

Antelope Valley Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – POTENTIAL EMISSIONS REPORT, CRITERIA POLLUTANTS & HAPs

I. FACILITY INFORMATION

1. FACILITY NAME: Lockheed Martin Aeronautics Company
2. FACILITY ID: 01754
3. TITLE V PERMIT #: 097001754

II. POTENTIAL ANNUAL EMISSIONS

1. EMISSION UNIT (APPLICATION OR PERMIT #)	2. EQUIPMENT DESCRIPTION	3. POTENTIAL ANNUAL EMISSIONS							
		NOx (TPY)	VOC (TPY)	PM10 (TPY)	PM2.5 (TPY)	SOx (TPY)	CO (TPY)	HAP: (TPY)	HAP: (TPY)
E010468	IC Engine B611	0.356	X	X	X	0.00041	0.098	X	X
E012182	IC Engine B611	0.344	X	X	X	0.00041	0.030	X	X
E013053	IC Engine B611	0.377	X	X	X	0.00042	0.030	X	X
E006496	IC Engine B612	0.017	X	X	X	0.00001	0.004	X	X
E006499	Firewater Pump #1; B615	0.088	X	X	X	0.00004	0.019	X	X
E006420	Firewater Pump #2; B615	0.088	X	X	X	0.00004	0.019	X	X
E013484	Firewater Pump #3; B615	0.037	X	X	X	0.00008	0.024	X	X
E006511	Firewater Pump #4; B615	0.088	X	X	X	0.00004	0.019	X	X
E012263	Firewater Pump #1; B616	0.037	X	X	X	0.00008	0.024	X	X
E012262	Firewater Pump #2; B616	0.037	X	X	X	0.00008	0.024	X	X
E012036	Firewater Pump #3; B616	0.037	X	X	X	0.00008	0.024	X	X
E012264	Firewater Pump #4; B616	0.037	X	X	X	0.00008	0.024	X	X

Antelope Valley Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – POTENTIAL EMISSIONS REPORT, CRITERIA POLLUTANTS & HAPs

I. FACILITY INFORMATION

2. FACILITY NAME: Lockheed Martin Aeronautics Company

1. FACILITY ID: 01754

3. TITLE V PERMIT #: 097001754

II. POTENTIAL ANNUAL EMISSIONS

1. EMISSION UNIT (APPLICATION OR PERMIT #)	2. EQUIPMENT DESCRIPTION	3. POTENTIAL ANNUAL EMISSIONS							
		NOx (TPY)	VOC (TPY)	PM10 (TPY)	PM2.5 (TPY)	SOx (TPY)	CO (TPY)	HAP: (TPY)	HAP: (TPY)
E013486	Portable ICE - Flight Ops	0.006	X	X	X	0.00001	0.00002	X	X
E006371	IC Engine Site 2 B210	0.071	X	X	X	0.00003	0.015	X	X
E007092	IC Engine Site 2 B214	0.042	X	X	X	0.00002	0.009	X	X
E006370	IC Engine Site 2 B253B	0.042	X	X	X	0.00002	0.009	X	X
E011311	IC Engine Site 2	0.043	X	X	X	0.00010	0.015	X	X
E011312	IC Engine Site 2	0.043	X	X	X	0.00010	0.015	X	X
E011477	IC Engine Site 7	0.055	X	X	X	0.00011	0.007	X	X
E012993	IC Engine Site 7	0.257	X	X	X	0.00033	0.015	X	X
B006162	Jet Engine Test Stand	0.68	X	X	X	0.12	2.75	X	X
N006375	Gasoline Dispensing		X						
N006513	Gasoline Dispensing		X						

Antelope Valley Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – POTENTIAL EMISSIONS REPORT, CRITERIA POLLUTANTS & HAPs

I. FACILITY INFORMATION

5. FACILITY NAME: Lockheed Martin Aeronautics Company

4. FACILITY ID: 01754

6. TITLE V PERMIT #: 097001754

II. POTENTIAL ANNUAL EMISSIONS

1. EMISSION UNIT (APPLICATION OR PERMIT #)	2. EQUIPMENT DESCRIPTION	3. POTENTIAL ANNUAL EMISSIONS							
		NOx (TPY)	VOC (TPY)	PM10 (TPY)	PM2.5 (TPY)	SOx (TPY)	CO (TPY)	HAP: (TPY)	HAP: (TPY)
A006389	B601 Abrasive Cabinet			X	X				
A006408	B601 Abrasive Cabinet			X	X				
A006421	B601 Abrasive Room			X	X				
A006500	B636 Abrasive Room			X	X				
A006367	B211 Abrasive Room			X	X				
A006416	B211 Abrasive Cabinet			X	X				
B015041	B636 Laser Ablation			X	X				
B015042	B637 Laser Ablation			X	X				
B008422	Process Tank Line			X	X				
None	Cooling Tower			X	X				

Antelope Valley Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – POTENTIAL GREENHOUSE GAS EMISSIONS REPORT

I. FACILITY INFORMATION

1. FACILITY NAME: Lockheed Martin Aeronautics Company
2. FACILITY ID: 01754
3. TITLE V PERMIT #: 097001754

II. POTENTIAL ANNUAL EMISSIONS

1. EMISSION UNIT (APPLICATION OR PERMIT #)	2. EQUIPMENT DESCRIPTION	3. POTENTIAL ANNUAL EMISSIONS							
		CO_2 (MTPY)	N_2O (MTPY)	CH_4 (MTPY)	HFCs (MTPY)	PFCs (MTPY)	SF_6 (MTPY)	Other: (MTPY)	$CO_2(e)$ (MTPY)
C010991	B636/ Concentrator RTO	3158.30	0.0060	0.0596					3161
B006491	P10 Boiler No. 1	42265.42	0.0797	0.7972					42307
B006488	P10 Boiler No. 2	42265.42	0.0797	0.7972					42307
B006436	P10 Boiler No. 3	44587.70	0.0841	0.8410					44631
B013914	P10 Boiler No. 4	16952.61	0.0320	0.3197					16969
B013213	S210 Boiler No. 1	7774.85	0.0147	0.1466					7782
B013214	S210 Boiler No. 2	7774.85	0.0147	0.1466					7782
B012651	S211 Boiler No. 1	6484.35	0.0122	0.1223					6491
B012658	S211 Boiler No. 2	6484.35	0.0122	0.1223					6491
B006116	B637 Oven PA05	738.48	0.0014	0.0139					739

Antelope Valley Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – POTENTIAL GREENHOUSE GAS EMISSIONS REPORT

III. FACILITY INFORMATION

4. FACILITY NAME: Lockheed Martin Aeronautics Company

5. FACILITY ID: 01754

6. TITLE V PERMIT #: 097001754

IV. POTENTIAL ANNUAL EMISSIONS

4. EMISSION UNIT (APPLICATION OR PERMIT #)	5. EQUIPMENT DESCRIPTION	6. POTENTIAL ANNUAL EMISSIONS							
		CO_2 (MTPY)	N_2O (MTPY)	CH_4 (MTPY)	HFCs (MTPY)	PFCs (MTPY)	SF_6 (MTPY)	Other: (MTPY)	$CO_2(e)$ (MTPY)
B014584	B644 Oven - Foam Coater	696.68	0.0013	0.0131					697
B014586	B645 Curing Oven - Large	2977.60	0.0056	0.0562					2981
B014588	B645 Curing Oven - Small	1985.07	0.0037	0.0374					1987
E006453	IC Engine B601	6.27	0.00005	0.00025					6
E006454	IC Engine B601	6.27	0.00005	0.00025					6
E012381	IC Engine B601	3.49	0.00003	0.00014					4
E006470	IC Engine B602	2.45	0.00002	0.00010					2
E006498	IC Engine B603	5.92	0.00005	0.00024					6
E006811	IC Engine B604	0.87	0.00001	0.00004					1
E011076	IC Engine B608	2.86	0.00002	0.00012					3
E006124	IC Engine B610	1.27	0.00001	0.00005					1
E006427	IC Engine B611	3.84	0.00003	0.00016					4

Antelope Valley Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – POTENTIAL GREENHOUSE GAS EMISSIONS REPORT

V. FACILITY INFORMATION

7. FACILITY NAME: Lockheed Martin Aeronautics Company

8. FACILITY ID: 01754

9. TITLE V PERMIT #: 097001754

VI. POTENTIAL ANNUAL EMISSIONS

7. EMISSION UNIT (APPLICATION OR PERMIT #)	8. EQUIPMENT DESCRIPTION	9. POTENTIAL ANNUAL EMISSIONS							
		CO_2 (MTPY)	N_2O (MTPY)	CH_4 (MTPY)	HFCs (MTPY)	PFCs (MTPY)	SF_6 (MTPY)	Other: (MTPY)	$CO_2(e)$ (MTPY)
E010468	IC Engine B611	30.61	0.00025	0.00124					31
E012182	IC Engine B611	32.81	0.00027	0.00133					33
E013053	IC Engine B611	38.27	0.00031	0.00155					38
E006496	IC Engine B612	0.67	0.00001	0.00003					1
E006499	Firewater Pump #1; B615	3.82	0.00003	0.00015					4
E006420	Firewater Pump #2; B615	3.82	0.00003	0.00015					4
E013484	Firewater Pump #3; B615	8.06	0.00007	0.00033					8
E006511	Firewater Pump #4; B615	3.82	0.00003	0.00015					4
E012263	Firewater Pump #1; B616	8.06	0.00007	0.00033					8
E012262	Firewater Pump #2; B616	8.06	0.00007	0.00033					8
E012036	Firewater Pump #3; B616	8.06	0.00007	0.00033					8
E012264	Firewater Pump #4; B616	8.06	0.00007	0.00033					8

Antelope Valley Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – POTENTIAL GREENHOUSE GAS EMISSIONS REPORT

VII. FACILITY INFORMATION

10. FACILITY NAME: Lockheed Martin Aeronautics Company

11. FACILITY ID: 01754

12. TITLE V PERMIT #: 097001754

VIII. POTENTIAL ANNUAL EMISSIONS

10. EMISSION UNIT (APPLICATION OR PERMIT #)	11. EQUIPMENT DESCRIPTION	12. POTENTIAL ANNUAL EMISSIONS							
		CO_2 (MTPY)	N_2O (MTPY)	CH_4 (MTPY)	HFCs (MTPY)	PFCs (MTPY)	SF_6 (MTPY)	Other: (MTPY)	$CO_2(e)$ (MTPY)
E013486	Portable ICE - Flight Ops	11.78	0.00010	0.00048					12
E006371	IC Engine Site 2 B210	2.78	0.00002	0.00011					3
E007092	IC Engine Site 2 B214	3.84	0.00003	0.00016					4
E006370	IC Engine Site 2 B253B	1.61	0.00001	0.00007					2
E011311	IC Engine Site 2	9.70	0.00008	0.00039					10
E011312	IC Engine Site 2	9.70	0.00008	0.00039					10
E011477	IC Engine Site 7	3.88	0.00003	0.00016					4
E012993	IC Engine Site 7	29.24	0.00024	0.00119					29
B006162	Jet Engine Test Stand	348.40	0.0028	0.0139					350

Antelope Valley Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – COMPLIANCE ASSURANCE MONITORING
APPLICABILITY DETERMINATION FORM

I. FACILITY INFORMATION

1. FACILITY NAME: Lockheed Martin Aeronautics Company
2. FACILITY ID: 01754
3. TITLE V PERMIT #: 097001754

II. CAM STATUS SUMMARY FOR EMISSION UNITS

4. Based on the criteria in the instructions (check one and attach additional pages as necessary):

a. ☐ There are no emission units with control devices at this Title V facility.

b. ☒ There are emission units with control devices at this Title V facility, and the CAM applicability is shown below for each unit. A CAM plan is attached for each affected emissions unit.

5. EMISSION UNIT (APPLICATION OR PERMIT #	6. EQUIPMENT DESCRIPTION	UNCONTROLLED EMISSIONS		9. UNCONTROLLED POTENTIAL EMISSIONS EXCEED THE MAJOR SOURCE THRESHOLD AND USE A CONTROL DEVICE?	10. EXEMPT FROM CAM BY 40 CFR 64.2(b)(1)? (ENTER YES OR NO. IF YES, STATE THE REASON FOR EXEMPTION)	11. IS A CAM PLAN REQUIRED?
		7. POLLUTANT TYPE	8. PTE (tons/year)			
B006436	P10 Boiler No. 3 / SCR	NOx	15.29	No	Yes- Continuos compliance determination method	No
B013914	P10 Boiler No. 4 / SCR	NOx	7.51	No	No	No
C006118	B637/ Carbon Non Reg Scrub	VOC	19	No	No	Yes
C010991	B636/ Concentrator RTO	VOC	300	Yes	No	Yes
N006375	Gasoline Dispensing	VOC	1.63	No		No
N006513	Gasoline Dispensing	VOC	0.41	No		No

Antelope Valley Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – COMPLIANCE ASSURANCE MONITORING
APPLICABILITY DETERMINATION FORM

I. FACILITY INFORMATION

4. FACILITY NAME: Lockheed Martin Aeronautics Company

5. FACILITY ID: 01754

6. TITLE V PERMIT #: 097001754

II. CAM STATUS SUMMARY FOR EMISSION UNITS

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5. EMISSION UNIT (APPLICATION OR PERMIT #	6. EQUIPMENT DESCRIPTION	UNCONTROLLED EMISSIONS		9. UNCONTROLLED POTENTIAL EMISSIONS EXCEED THE MAJOR SOURCE THRESHOLD AND USE A CONTROL DEVICE?	10. EXEMPT FROM CAM BY 40 CFR 64.2(b)(1)? (ENTER YES OR NO. IF YES, STATE THE REASON FOR EXEMPTION)	11. IS A CAM PLAN REQUIRED?
		7. POLLUTANT TYPE	8. PTE (tons/year)			
S008564	B601 Spray Booth Carbon	VOC	4.56	No		No
S010188	B602 Spray Booth Carbon	VOC	4.56	No		No
ALL	Spray Booth	PM	27.28	No		No
A006389	B601 Abrasive Cabinet	PM10	22.65	No		No
A006408	B601 Abrasive Cabinet	PM10	25.13	No		No
A006421	B601 Abrasive Room	PM10	96.98	No		No

Antelope Valley Air Quality Management District

TITLE V PERMIT RENEWAL APPLICATION – COMPLIANCE ASSURANCE MONITORING
APPLICABILITY DETERMINATION FORM

I. FACILITY INFORMATION

7. FACILITY NAME: Lockheed Martin Aeronautics Company

8. FACILITY ID: 01754

9. TITLE V PERMIT #: 097001754

II. CAM STATUS SUMMARY FOR EMISSION UNITS

4. Based on the criteria in the instructions (check one and attach additional pages as necessary):

a. ☐ There are no emission units with control devices at this Title V facility.

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5. EMISSION UNIT (APPLICATION OR PERMIT #	6. EQUIPMENT DESCRIPTION	UNCONTROLLED EMISSIONS		9. UNCONTROLLED POTENTIAL EMISSIONS EXCEED THE MAJOR SOURCE THRESHOLD AND USE A CONTROL DEVICE?	10. EXEMPT FROM CAM BY 40 CFR 64.2(b)(1)? (ENTER YES OR NO. IF YES, STATE THE REASON FOR EXEMPTION)	11. IS A CAM PLAN REQUIRED?
		7. POLLUTANT TYPE	8. PTE (tons/year)			
A006500	B636 Abrasive Room	PM10	119.35	Yes		Yes
A006367	B211 Abrasive Room	PM10	271.12	Yes		Yes
A006416	B211 Abrasive Cabinet	PM10	50.98	No		No
B01504X	B636 Laser Ablation	PM10		No		No
B01504X	B637 Laser Ablation	PM10		No		No
BXXXXX	B646 Laser Ablation	PM10		No		No